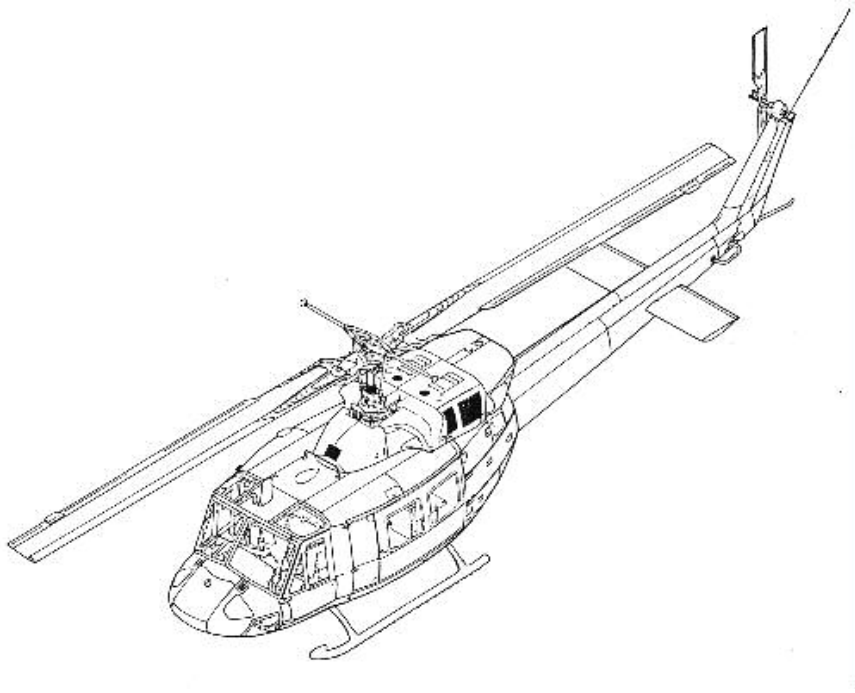
# HELICOPTER
# MAINTENANCE
# SUPPORT SERVICES
# FOR AFSPC AND THE 459AS

## CONTRACT # F05604-01-R-9004



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DRAFT

26 OCTOBER 2001

Attachment 1

**HELICOPTER MAINTENANCE STATEMENT OF WORK**

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# HELICOPTER MAINTENANCE STATEMENT OF WORK

# PART I

# DESCRIPTION OF SERVICES

## 1. DESCRIPTION OF SERVICES.

The contractor shall provide all personnel, supervision, and other items and services necessary to perform the Helicopter Maintenance Contract at all Twentieth and Fourteenth Air Force Helicopter Flights and the 459 Airlift Squadron as defined in this Statement of Work (SOW). Exceptions are specified in Part III, as government furnished property. The contractor shall perform to the standards in this SOW. Note that AFI 21-101, *Maintenance Management of Aircraft,* is referenced extensively throughout this SOW. References may refer to terms and responsibilities associated with specific Wing, Group or Squadron sections (i.e., Wing PS&D). The contractor shall organize its structure to comply with terms, duties, and responsibilities referenced within AFI 21-101 and tailored to meet the scope and requirements of this SOW.

# CHAPTER 1

# MANAGEMENT

## 1.1. MANAGEMENT.

1.1.1. The unit commander, as appropriate, delegates maintenance management responsibilities to the Contract Site Manager (CSM). The CSM manages the maintenance complex through the procedures in this SOW and AFI 21-101, and MAJCOM supplements (as applicable). The functional management responsibilities assigned to the CSM are to: plan, schedule, control, and direct the use of all maintenance resources to meet mission requirements. The contractor, through the CSM or alternate shall:

1.1.2. Make sure laws, regulations, instructions and policies that apply to people assigned to the maintenance complex are complied with.

1.1.3. Ensure aircraft are maintained in mission capable status to support all mission requirements and meet the unit's flying hour program. (Ref. Part V, Appendix 3)

1.1.4. Maintain or ensure the maintenance of administrative files to document information contained in all reports described in this SOW.

1.1.5. Furnish the government the required reports as listed in CDRLs.

1.1.6. Provide Unit Corrosion Control Plan IAW AFSPCI 21-105. (37, 40, 54, 76 HF) (Ref. CDRL A004)

1.1.7. Participate in any higher headquarters directed inspections, exercises and competitions.

1.1.8. The contractor shall administer a supply program that includes: supply procedures as described in AFMAN 23-110, repairable asset and bench stock management and hazardous materials procurement and tracking procedures.

1.1.9. The contractor will establish and maintain maintenance publication libraries at each site.

1.1.10. The contractor shall establish a utilities conservation program IAW AFPD 23-3 and local operating instructions to ensure operating conditions preclude the waste of utilities.

1.1.11. The contractor shall participate in government meetings and working groups as directed by the unit commander and ensure meetings are conducted as required throughout this SOW.

**1.2. CONTRACT SITE MANAGER.**

1.2.1. The contractor shall provide an on-site contract site manager (CSM) at each unit who shall be responsible for, and vested with full authority to act on behalf of the contractor, to ensure satisfactory performance of the requirements and day-to-day operations of this statement of work (SOW). The name of this person, in addition to the name of a trained CSM alternate, who shall act for the contractor when the primary manager is absent, shall be designated in writing to the contracting officer and 20 AF/DOHM. The CSM shall be available during normal hours of operation (reference Part IV, Chapter 1 of the SOW) within 30 minutes after notification by commander or their designated representative to meet at a designated site location. After normal hours of operation, the CSM shall be available within 60 minutes upon notification of the commander or their designated representative to meet at a designated site location. At 459 AS, the CSM shall respond to notification by the commander or their designated representative within two hours (normal and non-duty hours), at a designated site location. The CSM shall possess the level of experience, knowledge and qualifications in the areas of helicopter and rotor wing maintenance commensurate with the ability to effectively demonstrate satisfactory compliance with the requirements of this SOW. The CSM shall possess military training certification or commercial equivalent FAA certified training documents (i.e. Airframe and/or Powerplant license) on helicopters or applicable systems.

1.2.2. Control assignment and use of maintenance facilities as required by the SOW, and coordinate through unit commander or QAE for new construction and modifications or alterations to existing facilities.

1.2.3. Ensure all maintenance personnel are aware of their responsibilities to prevent intentional damage, sabotage or tampering to aircraft and equipment in their respective areas.

1.2.4. Ensure financial management and discipline is practiced.

1.2.5. Ensure all personnel are trained for increased force protection conditions (FPCON) and comply with all security requirements IAW base OPLAN.

1.2.6. Order, distribute, and maintain applicable table of allowances as required.

1.2.7. Ensure section procedures are set up and responsibilities defined for the base or area crash recovery program.

**1.3. KEY PERSONNEL.**

1.3.1. Contractor Quality Control shall possess a demonstrated level of experience, knowledge and qualifications in the areas of H-1 aircraft maintenance quality control, to satisfactorily manage and administer a sound quality control program commensurate with the requirements of this SOW.

1.3.2. The lead mechanic shall possess a demonstrated level of experience, knowledge and qualifications in the areas of rotor wing and H-1 aircraft maintenance to oversee and perform

helicopter mechanic maintenance to satisfactorily meet requirements commensurate with this SOW.

**1.4. PERSONNEL GENERAL**

1.4.1. The contractor shall ensure that employees possess certification from a FAA certified institute or military training, as described below that validates knowledge of aircraft practices and procedures before starting work. The minimum requirement for an aircraft mechanic/worker is military training or commercial equivalent FAA certified training (i.e. Airframe and/or Powerplant license).

1.4.2. Contractor shall ensure that all personnel present a clean, neat, professional appearance. This shall be accomplished by established company standards and the wearing of distinctive, conservative, recognizable clothing. Company standards and uniform changes shall be approved by the contracting officer through the Functional Director. (Ref. Part V, Appendix 2, Paragraph 2.4)

1.4.3. The contractor shall not employ any person who is an employee of the United States Government if the employment of that person would create, or have the appearance of, a conflict of interest nor shall the contractor employ any person who is an employee of the Department of the Air Force, either military or civilian, unless such person seeks and receives approval in accordance with DODD 5500.7. In addition, the contractor shall not employ any person who is an employee of the Department of the Air Force if such employment would be contrary to the policies contained in AFI 64-106.

1.4.4. The contractor is cautioned that off duty active military personnel hired under this contract may be subject to permanent change of station (PCS), change in duty hours or deployment. Military Reservists and National Guard members may be subject to recall to active duty. The abrupt absence of these personnel could adversely affect the contractor's ability to perform. Their absence at any time shall not constitute an excuse for nonperformance under this contract.

1.4.5. The contractor shall not employ any person who is a spouse or dependent child of a department of the Air Force employee (either military or civilian) when such Air Force employee would be placed in a conflict of interest or appearance of a conflict of interest by virtue of such employment.

1.4.6. The contractor shall maintain a safe and efficient work environment, protect military operations, and maintain high standards of job performance. Contractor employees who are involved with illegal drugs, other controlled substances or who abuse alcohol pose unacceptable risks to safe and efficient operations. The contractor shall have a program to prohibit employees from using, possessing, being under the influence, or otherwise being involved with illegal drugs and from abusive use of controlled substances. The contractor shall ensure that no employee works on military equipment while under the influence of alcohol or drugs. The contractor shall conduct random drug tests on all contractor employees at each unit who are employed under this contract. Two percent (2%) of the entire work force, determined by adding together the total work force at all the helicopter units, shall be tested per month on a random basis in accordance with the terms of Section I, Paragraph 85, "Drug-Free Work Force" (DFARS 252.223-7004). (Ref. CDRL A006 for drug test reporting requirement.)

1.4.7. Safety and Health Guidelines. The contractor shall perform the requirements of this SOW using the safety and health guidelines of the federal/state OSHA, AFOSH, and Air Force 91 series instructions for its employees. If AFOSH directives are more comprehensive than OSHA directives, the contractor will augment the OSHA directives with the appropriate safety AFOSH directive.

1.4.8. All contract personnel must be able to read, legibly write, speak, and understand English.

1.4.9. The contractor shall furnish a roster of all employees to include their name, SSN, duty position and clearance to the contracting officer and 20AF/DOHM. This information will be provided not later than two working days after hiring a new employee and/or as changes occur.

## PART I

## CHAPTER 2

## AIRCRAFT MAINTENANCE

### 2. AIRCRAFT MAINTENANCE.

The contractor shall perform helicopter and support equipment maintenance services to maintain Air Force equipment in serviceable condition, safe for prescribed operations and properly configured to meet mission requirements as described in this SOW. Maintenance activities support operational requirements through delivery of high quality maintenance services. The contractor will maintain aircraft in a mission capable status to ensure mission requirements are met in accordance with the respective unit flying hour programs (Ref. Part V, Appendix 3). The contractor, through the CSM or alternate shall monitor aircraft/equipment maintenance and evaluate the condition of assigned equipment and the quality of work.

### 2.1. AIRCRAFT MAINTENANCE RESPONSIBILITIES.

2.1.1. The contractor shall perform the following aircraft maintenance in compliance with all applicable safety standards, manuals, instructions, and technical orders listed in Part III, Chapter 6.

2.1.1.1. Perform all on-equipment tasks to return NMC aircraft to MC condition.

2.1.2. The contractor shall perform the following unscheduled/scheduled maintenance actions for required on/off equipment maintenance:

2.1.2.1. Accomplish planned sorties production and maintenance actions as required to meet weekly and daily flying schedule requirements. Additional aircraft may be required if the unit flying hour program falls behind the projected unit flying requirement. (Ref: Part V, Appendix 3)

2.1.2.2. Perform preflight, thru-flight, basic postflight, and HPO inspections IAW TOs 1H-1(U)N-6, 00-20-5, and AFOSH Standards.

2.1.2.3. Perform higher headquarters directed one-time inspections on assigned aircraft and equipment.

2.1.2.4. Perform all special inspections IAW TOs 1H-1(U)N-6, -3, -2-1 and 2-2, and applicable engine series Technical Orders.

2.1.2.5. Perform all required phase inspections IAW TO 1H-1(U)N-6, and 00-20-5.

2.1.2.5.1. Perform pre-dock inspection procedures prior to the aircraft going into phase in accordance with AFI 21-101 and MAJCOM supplements (as applicable).

2.1.2.5.2. Accomplish fix portion of the inspection, repairing previous discrepancies, replace scheduled time change items and repair discrepancies found during the Phase Inspection as mission dictates.

2.1.2.5.3. Accomplish post-dock documentation/forms review per AFI 21-101 and MAJCOM supplements (as applicable) upon completion of the Phased Inspection prior to the first Functional Check Flight.

2.1.2.6. Perform TCTO maintenance on assigned aircraft and equipment.

2.1.2.6.1. Assist and monitor all field level depot teams in the accomplishment of all depot TCTOs IAW workload agreements in conjunction with the Unit QAE.

2.1.2.6.2. Accomplish depot directed modifications on assigned aircraft and equipment. Aircraft modifications will not require additional capabilities beyond those described in this SOW.

2.1.2.7. Service tires, hydraulics, oil, fuel (refuel/defuel), and lubricate IAW TOs 1H-1(U)N-2-1, 00-25-172 and applicable AFOSH standards.

2.1.2.8. Reconfigure aircraft equipment as required to support mission taskings.

2.1.2.9. Maintain, control, inventory, and repair aircraft -21 equipment IAW AFI 21-103 and MAJCOM supplements (as applicable).

2.1.2.10. Tow aircraft IAW TO 1H-1(U)N-2-1CL-1, and AFOSH 91-100.

2.1.2.11. Launch and recover aircraft IAW AFI 11-218.

2.1.2.12. Perform aircraft wash and corrosion inspections IAW TO 1-1-8, 1-1-689, 1-1-691 and 31-1-75.

2.1.2.13. Clean aircraft windows IAW TO 1H-1(U)N-2-1.

2.1.2.14. Perform preventive maintenance on interior/exterior of aircraft to include all aspects of corrosion control (i.e. touch up painting, cleaning etc.) IAW TO 1-1-691.

2.1.2.15. Remove snow and ice from aircraft surfaces IAW TO 1H-1(U)N-2-1.

2.1.2.16. Maintain a Joint Oil Analysis Program (JOAP) IAW AFIs 21-106, 21-124 and TO 33-1-37.

2.1.2.16.1. Take samples, complete documentation and hand deliver or mail sample to NDI lab, as appropriate.

2.1.2.17. Remove, install, troubleshoot, maintain, and inspect aircraft rescue hoist system IAW TO 1H-1(U)N-2-1 and TO 1H-1(U)N-6 (at units with hoists assigned).

2.1.2.18. Remove, install, troubleshoot, maintain, and inspect cargo suspension system IAW TO 1H-1(U)N-2-1 and TO 1H-1(U)N-6. (for units with cargo hooks installed)

2.1.2.19. Remove, install, troubleshoot, maintain, and inspect gun mounts IAW TOs 1H-1(U)N-2-1, 1H-1(U)N-6 and applicable system TOs.

2.1.2.20. Accomplish repair or overhaul of components within local capability IAW TOs 1-H-1(U)N-2-1, 1H-1(U)N-6 and appropriate Intermediate Level Maintenance TOs.

2.1.2.21. Accomplish all preparation actions required for NDI inspections on aircraft and components IAW applicable TO.

2.1.2.22. Remove foreign objects from aircraft, aircraft parking and work areas. The Foreign Object Damage (FOD) Program shall be specified in the contractor quality control plan IAW AFI 21-101, Chapter 21, Par 21.22 and MAJCOM supplements (as applicable).

2.1.2.23. Perform troubleshooting, analysis, repairs, in-flight, and ground operational/leak checks on all aircraft systems IAW TO, 1H-1(U)N-1,-2-1,-6,-6CF-1 and 1-1-300. The contractor will provide maintenance personnel with functional expertise to fly on the aircraft during FCFs.

2.1.2.24. Maintain, remove, repair, replace and rig as necessary all aircraft systems IAW TO 1H-1(U)N-2-1, 2-2, and applicable overhaul technical order, except for those items which the government will provide as specified in Part I, Chapter 4, Par 4.3.3.5.

2.1.2.25. Maintain, repair, and perform inspections, TCTOs, and complete required documentation for government furnished support equipment listed in Part III, Chapter 3 & 4 IAW TOs 00-20-2, 00-20-5, 1-1A-15, and applicable series technical orders.

2.1.2.26. Maintain and document aircraft forms IAW TO 00-20-1, 00-20-5 and MAJCOM supplements (as applicable).

2.1.2.27. Accompany aircraft on cross-country/off-station flights for servicing and recovery maintenance as directed by commander.

2.1.2.28. Recover all H-1 aircraft covered under this SOW, which are forced to land at a base or remote site (may include offshore locations for 76 HF), to home station IAW TO 1H-1(U)N-3, -2-2, -2-1, and -39. Government shall provide equipment for recovery of aircraft.

2.1.2.29. Prepare aircraft for air, land, or sea shipment when requested by higher headquarters, IAW TOs 1H-1(U)N-2-1, and 1H-1-39.

**2.2. LEAD MECHANIC RESPONSIBILITIES.**

2.2.1. Lead Mechanics are primarily responsible for the production effort. All Lead Mechanics/Team Chiefs shall ensure:

2.2.1.1. An adequate number of qualified people are available to do the tasks assigned.

2.2.1.2. Coordination with MOCC for changes to the daily flying/maintenance schedule.

2.2.1.3. Personnel know the status of the aircraft prior to maintenance.

2.2.1.4. Quality maintenance by doing production and supervisory inspections.

2.2.1.5. Technicians use technical data IAW TO 00-5-l.

2.2.1.6. The control of all repair cycle assets and assist MSL with the DIFM program.

2.2.1.7. Coordination with MSL to ensure adequate bench/operating stock levels are maintained.

2.2.1.8. Housekeeping, safety, security, and environmental control.

2.2.1.9. Tools are available to do the assigned tasks.

2.2.1.10. Tool inventory and condition inspections are conducted.

2.2.1.11. Maintenance management of industrial, test, and support equipment.

2.2.1.12. MSL is assisted with materiel deficiency reporting procedures in TO 00-35D-54.

2.2.1.13. Repair cycle assets are processed, as prescribed by TO 00-20-3. Procedures for control of assets in awaiting parts (AWP) or awaiting maintenance (AWM) status must be used.

2.2.1.14. Management of the safety program for the work areas, provide for safety indoctrination of people, and enforce safe work habits. The AF 91-series publications, including AFOSH standards, are used as references for the shop, flight line, and work areas.

2.2.1.15. Personnel who use industrial equipment are trained in the operation of the equipment.

2.2.1.16. Personnel follow safe handling procedures for hazardous material. Hazardous waste must be stored and disposed of IAW applicable directives.

2.2.1.17. Personnel know the work habit and policing requirements of the FOD prevention program in AFI 21-101 and MAJCOM Supplement (as applicable).

**2.3. TOOL AND EQUIPMENT MANAGEMENT.**

2.3.1. Tool and Equipment Control shall be managed IAW AFI 21-101, Chapter 15.

2.3.2. Units may use a local operating instruction (OI) to expand the provisions of this SOW. Use of the CTK program in all units is mandatory.

2.3.3. A record of inspection, lubrication, and maintenance shall be maintained on each piece of industrial type equipment IAW TO 34-1-3.

2.3.4. Obtaining Additional or Replacement Equipment. The contractor shall submit requests for additional or replacement government furnished EAID equipment required in the performance of the contract IAW AFI 21-101, Chapter 10, Paragraph 10.10. The contractor shall submit such requests through the QAE to insure proper coordination. The government shall replace special tools as listed in this SOW. Replacement shall be on a one-for-one basis with final determination as to serviceability by QAE. Lost and misused tools as determined by the QAE shall be replaced at the contractor's expense. The contractor shall also be responsible for turning in any excess and unneeded items. The contractor shall coordinate all such turn-ins with the QAE.

2.3.5. Bench Mockups. Bench set/mock-up components are used for troubleshooting, and shall not be installed on aircraft to complete maintenance repair actions. They may be used during flight line maintenance to isolate malfunctions, then removed from the aircraft system prior to flight. Mockups or locally built bench sets shall be maintained by using the technical orders for the major components.

2.3.6. Do not use the canvas bags as dispatch kits; however, a canvas bag may be included in a CTK. When it is part of a CTK, a canvas bag may be used to carry tools checked out from the kit for work on the aircraft. When the job is complete, the tools must be placed in the CTK for inventory.

2.3.7. As a minimum, semi-annually inventory all CTKs for tool accountability and serviceability. This inventory will include ensuring that each individually etched tool matches the container CTK number. The CTK monitor will document and track the inventory.

2.3.8. Excess Tools. Retaining excess tools for "internal re-supply" weakens the FOD prevention aspect of the CTK program and will be kept to a minimum. However, a level of high failure tools such as apexes, drill bits, punches, small ratchets etc. may be retained in the work

center. The type of tools, and the procedures for work center supervisors to control the excess tools, will be formalized in writing. The excess should not exceed 10 percent of the number of CTKs containing the tool. Excess tools will be inventoried quarterly, documented, and maintained.

2.3.9. Unserviceable Tools. Work center supervisors/QC determine serviceability and make sure all unserviceable tools are coordinated with the QAE and processed for disposal in accordance with AFMAN 23-110, and local procedures. Establish controls to assure that unserviceable tools are in secure storage and accounted for until processed for disposal.

2.3.10. Tool Replacement. The contractor shall ensure prompt replacement of tools that are identified to be replaced through loss or un-serviceability. Send tools accounted for on the unit CA/CRL through the Equipment Management Office. Process tools bought through the General Services Administration (GSA) in accordance with the local procedures. These procedures should ensure tool purchases are carefully controlled to prevent abuse of the GSA system. Warranted hand tool replacements are processed according to warranty contract. QAEs will monitor the tool replacement program for abuses.

**2.4. DASH 21 EQUIPMENT.**

2.4.1. The contractor shall manage, inspect, inventory, maintain, control and store Dash 21 equipment and alternate mission equipment (AME) IAW TO 1H-1(U)N-21, equipment technical orders, AFI 21-103 and MAJCOM Supplements (as applicable).

**2.5. INSPECTION SECTION.**

2.5.1. The contractor inspection section shall perform phase inspections, preflights, thru flights, basic post flights, hourly post flight, TCTOs and special inspections. Inspection Section shall ensure the requirements of AFI 21-101, Chapter 6, Paragraph 6.11.5 are met. The contractor shall ensure:

2.5.1.1. Inspections are accomplished IAW TO 1H-1(U)N-6, applicable work cards and AFI 21-101, Chapter 6, Paragraph 6.11.5.

2.5.1.2. All portions of the inspection are completed to include aircraft wash, pre-inspection, look, fix and post inspection phases.

2.5.1.3. All specialist coordination and documentation requirements as outlined in AFI 21-101, Chapter 6, Paragraph 6.11.5 are met.

**2.6. NON-POWERED AEROSPACE GROUND EQUIPMENT (AGE).**

2.6.1. Assigned non-powered AGE will be maintained IAW applicable tech data. The contractor will schedule maintenance beyond the shop repair capability.

2.6.1.1. All personnel using non-powered AGE will ensure it is serviceable prior to use, and report and document any discrepancy found. Pre-use inspections will be performed and recorded in accordance with TO 00-20-5 and MAJCOM supplements (as applicable).

2.6.1.2. The contractor shall accomplish all preparation actions required for NDI inspections for non-powered AGE IAW applicable TO.

## 2.7. POWERED AEROSPACE GROUND EQUIPMENT.

2.7.1. All personnel using powered AGE will perform pre-use inspections for serviceability and document in accordance with TO 00-20-5 and MAJCOM supplements (as applicable). Discrepancies noted during inspections will be documented in the AFTO Form 244 and reported to appropriate base agencies. The contractor will request AGE support from appropriate base agencies.

## PART I

## CHAPTER 3

## PRODUCTION SUPPORT

### 3. PRODUCTION SUPPORT.

The contractor shall be responsible for directing maintenance production and controlling the actions required to support the unit mission. The contractor shall manage the full cycle of production by planning, scheduling, directing, controlling and reporting of all aircraft, equipment, maintenance and supply related functions as defined in the appropriate sections of, AFCSM 21-566 thru 579, AFI 21-103, AFMAN 23-110, AFI 21-101, and MAJCOM Supplements as applicable. Production Support is the staff function responsible for monitoring the maintenance production activities, authorizing the expenditure of resources, and coordinating actions required to support the mission. Production support manages the cycle of production planning and scheduling, as well as coordinating and monitoring all maintenance on mission support, transient aircraft, and related support and training equipment. Production support functions shall be located, equipped, and arranged to facilitate the gathering, posting, and recording of status information and the dissemination of management information. Production Support is divided into three functional elements: Maintenance Operations Coordination Center (MOCC), plans, scheduling and documentation (PS&D), and maintenance supply liaison (MSL).

### 3.1. MAINTENANCE OPERATIONS COORDINATION CENTER (MOCC).

3.1.1. The contractor shall be responsible for MOCC operations to include the monitoring and coordination of sortie production, maintenance production, execution of the flying and maintenance schedules, and maintain visibility of fleet health indicators. MOCC operations shall comply with the requirements of AFI 21-101, Chapter 8, Paragraph 8.1.

### 3.2. DEBRIEFING.

3.2.1. Debriefing is required for all weapon or support systems. The contractor shall debrief flight crews after flight using Part V, Appendix 6 and IAW AFI 21-101, Chapter 3, Paragraph 3.9 as guidance.

### 3.3. VISUAL AIDS.

3.3.1. Visual Aids shall be developed IAW AFI 21-101, Chapter 8, Paragraph 8.4 and shall be used in the MOCC to clearly portray status information.

3.3.2. The flying schedule board may be combined with the aircraft status board when elected by the CSM.

### 3.4. MAINTENANCE COMMUNICATIONS.

3.4.1. Communications within the maintenance complex shall meet the requirements of AFI 21-101, Chapter 8, Paragraph 8.5. Procedures shall be established for communication-out situations and maintained as an emergency action plan.

3.4.2. Radio access is authorized and may be provided for aircraft-to-MOCC communications at the discretion of the Flight/Squadron Commander. Procedures for use of UHF radio communications are coordinated and agreed upon by operations and maintenance.

**3.5. PLANS, SCHEDULING AND DOCUMENTATION (PS&D).**

3.5.1. Contractor personnel performing PS&D functions shall have a basic understanding of the mission, facilities, and equipment maintained by the organization. PS&D shall be managed IAW AFI 21-101, Chapter 18, Paragraphs 18.1 and 18.2.

3.5.2. Provide 3-year time change forecast to 20 AF/DOHM or as per MAJCOM directive (non AFSPC units) no later than 1 July each year (37, 40, 54 and 76HF). (see CDRL A005)

3.5.3. Provide monthly maintenance report to 20 AF/DOHM. (37, 40, 54, 76 HF) (see CDRL A002).

3.5.4. Provide monthly maintenance report to HQ PACAF/LGMMM and LGMFA (459 AS, Yokota AB, JA) (see CDRL A003)

3.5.5. Contractor shall provide daily helicopter status to appropriate agencies as directed.

**3.6. OPERATIONAL PLANNING CYCLE.**

3.6.1. The contractor shall ensure the requirements for the operational planning cycle as outlined in AFI 21-101, Chapter 18, Paragraph 18.3, are met to ensure optimum use of aircraft. Knowledge of operational requirements is necessary to determine if the maintenance capability exists to support all requirements and if not, what steps shall be taken to provide the necessary support when mission requirements cannot be adjusted. PS&D shall negotiate on behalf of the CSM with the operations scheduling function to produce a schedule that makes the most efficient use of resources. PS&D shall:

3.6.1.1. Coordinate with operations to develop a weekly flying schedule.

3.6.1.2. Coordinate daily with Unit Operations for the following day's tasks and changes.

3.6.1.3. Develop a weekly maintenance plan, in conjunction with the weekly flying plan prior to the weekly meeting, with the following information:

3.6.1.4. Aircraft takeoff times and aircraft or equipment mission duration.

3.6.1.5. Configuration requirements for the aircraft or equipment.

3.6.1.6. Special or peculiar mission support equipment needed.

3.6.1.7. Aircraft alert requirements.

3.6.1.8. Operational vulnerabilities, if known.

**3.7. MAINTENANCE PLANNING CYCLE.**

3.7.1. The maintenance planning cycle is mandatory to ensure proper and effective use of maintenance resources. The contractor shall utilize AFI 21-101, Chapter 18, Paragraphs 18.5 through 18.8 to ensure planning cycle requirements are met.

**3.8. DOCUMENTING MAINTENANCE.**

3.8.1. A delayed or deferred discrepancy is a malfunction or deficiency on aircraft or equipment that cannot be corrected prior to the next scheduled flight of the weapon system. Documentation of these discrepancies will be accomplished using AFI 21-101, Chapter 9.

3.8.2. Units that have automated capability shall manage aircraft AWM and AWP discrepancies using procedures in AFCSM 21-566 thru 579.

3.8.2.1. Units not having automation capability shall maintain manual AWP and AWM discrepancy files.

3.8.2.2. Units fully utilizing CAMS will not be required to maintain manual AWP or AWM discrepancy files.

**3.9. TCTO PROGRAM.**

3.9.1. The contractor PS&D function is responsible for scheduling, controlling and directing all TCTOs IAW AFI 21-101, Chapter 18, Paragraph 18.10. When practical, all shelf spares and WRSK assets should be modified prior to the in-use equipment. The TCTO on the equipment should then be accomplished by installing a modified component. TCTOs shall be scheduled for completion prior to the grounding or removal from service date or the TCTO recession date.

3.9.2. The contractor shall monitor the TCTO program IAW Part I, Chapter 6, Paragraph 6.5. The contractor PS&D function is the focal point for TCTO management and monitoring day-to-day status.

3.9.3. The contractor's QC shall review each incoming TCTO.

**3.10. CONTROL AND TRANSFER OF TCTO KITS.**

3.10.1. When equipment to be transferred has unaccomplished TCTOs, transfer the applicable TCTO kits with the weapon system or equipment. The contractor is responsible for control and transfer of TCTO kits IAW AFI 21-101, Chapter 18, Paragraph 18.10, AFMAN 23-110, TO 00-5-15 and TO 00-20-l.

**3.11. JOB CONTROL NUMBERS (JCN) AND IDENTIFICATION NUMBERS.**

3.11.1. The JCN is used to manage the progress of work and to report the completion of individual portions of a task. The complete details on assignment of and the use of the JCN are included in TO 00-20-2. Only authorized maintenance tasks are assigned a JCN and no maintenance is authorized without a JCN. PS&D shall develop and implement an OI on the use and assignment of JCNs.

3.11.2. Identification (ID) numbers are used to provide a simple method of identifying basic equipment information through computer conversion of the ID number to the complete item identification. The ID number procedures are outlined in AFCSM 21-566 thru 579 and TO 00-20-2. PS&D shall report maintenance actions for equipment that is not assigned an ID number IAW the 00-20-series technical orders.

**3.12. SCHEDULED MAINTENANCE.**

3.12.1. In preparation for major scheduled inspections (i.e. phase, TCTOs, modifications) PS&D fills out two copies of AFTO Form 349, or MIS equivalent, reflecting the inspection requirements and the start and stop date in block 26. The first copy is used in PS&D as the "basic inspection" data for planning. The second copy of the AFTO Form 349, or MIS equivalent, is sent to MSL.

3.12.2. PS&D reviews all known TCTOs, time changes, delayed discrepancies and special inspection requirements that need to be accomplished on aircraft or equipment during the inspection.

3.12.3. Prior to the pre-inspection meeting, PS&D incorporates all requirements against the aircraft into a work package. Job control numbers are assigned in accordance with TO 00-20-2. The original job control number will be retained for delayed or deferred discrepancies that are to be corrected during the inspection. PS&D prepares a schedule for the inspection. Each major action to be accomplished is listed on the AF Form 2410, Inspection/TCTO Planning Check Sheet, which is then attached to the duplicate AFTO Form 349, or MIS equivalent, for the basic inspection. Additionally, PS&D uses the AF Form 2410 as an aid in planning for and conducting the pre-inspection meeting. Block 14 of the AF Form 2410 is used to list the activities that will attend the meeting and any discussion items to be presented by the representatives. Specialist support tasks (as applicable) in addition to the normal inspection requirements are shown in block 15, AF Form 2410.

3.12.4. Representatives from PS&D, MSL, and host base specialist activities in support of tasks that are additional to the normal inspection must attend the pre-inspection meeting. PS&D advises the representatives of the inspection schedule, including TCTO, time change items, delayed or deferred discrepancies and special inspections to be accomplished. Representatives advise PS&D of any limiting factors that might affect the schedule. At this time, MSL reviews with the group those requirements for which back ordered parts or kits exist. AF Form 2410 may be used to record additional information on the inspection discussed during the meeting. At the end of the meeting, PS&D prepares the work package, including an original and one copy of AF Form 2406 and AFTO Form 349, or MIS equivalent, for specialist requirements. The AF Form 2410, the original of the AF Form 2406, the original basic inspection copy of the AFTO Form 349, or MIS equivalent, and the duplicate, comprise the inspection package to be provided to the inspection supervisor. The original AFTO Form 349, or MIS equivalent, for each specialist requirement is sent to the shop with the dispatch time annotated.

3.12.5. During the inspection, unscheduled specialist requirements, outside resources, are relayed to the MOCC. The lead mechanic shall review progress and coordinate specialist requirements daily with MOCC. As jobs are completed, inspection card items are documented on the original copy of the AFTO Form 349, or MIS equivalent.

3.12.6. Upon completion of the inspection, the lead mechanic assembles the AFTO Form 349, or MIS equivalent, for those discrepancies that are to be delayed or deferred, and the completed inspection work package. The lead mechanic makes sure all inspection requirements have been completed. Delayed discrepancies are transcribed to the appropriate AFTO Forms 78l-series. The lead mechanic then completes the original AFTO Form 349, or MIS equivalent, for the basic inspection showing one unit completed and annotates the duplicate as being complete. Review the AFTO Form 349, or MIS equivalent, for uncleared discrepancies, and annotate to show the reason for the delay. Delayed or deferred discrepancy AFTO Form 349, or MIS equivalent, are discussed with MSL to ensure only the parts still needed are backordered. All duplicate AFTO Form 349, or MIS equivalent, for the look phase of the inspection and the AF Form 2410 will be left with PS&D for filing in accordance with AFMAN 37-123 and TO 00-20-1.

**3.13. DOCUMENTATION SECTION.**

3.13.1. The contractor shall follow the procedures in AFI 21-101, Chapter 18, Paragraph 18.9 thru 18.9.2.

**3.14. FILING AND DISPOSITION.**

3.14.1. The contractor shall manage equipment records and establish and maintain equipment files in accordance with TO 00-20-1 and AFI 21-101, Chapter 18, Paragraph 18.9.3.

**3.15. DOCUMENTS REVIEW.**

3.15.1. Document reviews shall be accomplished IAW AFI 21-101, Chapter 9, Paragraph 9.2.

**3.16. TIME CHANGE ITEMS.**

3.16.1. PS&D shall monitor and project time change requirements IAW 21-101, Chapter 18, Paragraph 18.11.. Advance forecasts ensure time change components are available before the forecast change date of the component. See TO 00-20-9 for forecasting selected calendar time change items.

3.16.2. No later than three days prior to the beginning of each month, PS&D prepares an automated work order for each time change item requirement for the succeeding month. For example, April requirements are forecast at the end of February and May requirements at the end of March. The automated work order will contain the following minimum information: part and/or stock number of the item to be changed and the forecast date at which the item is to be changed. PS&D shall print two copies of the forecast, one for PS&D and one for MSL. MSL shall acknowledge receipt by signing and dating one copy. MSL shall notify PS&D as parts become available and documentation shall annotate their copy of the forecast.

3.16.3. Upon notification from MSL indicating that parts are available, PS&D shall incorporate the time change item into the scheduled maintenance plan. PS&D schedules the time change and gives MSL the scheduled date.

**3.17. SPECIAL INSPECTION ITEMS.**

3.17.1. PS&D is responsible for monitoring and projecting due dates for those calendar and hourly inspection items not included in the aircraft AFTO Form 781K. PS&D shall:

3.17.1.1. Review all known long-term calendar and hourly inspection requirements reflecting a start and stop date for a scheduled inspection.

3.17.1.2. Generate a work order using the MIS to inform the performing work center of the inspection requirement.

3.17.1.3. Ensure the performing work center documents compliance using the appropriate screen in the MIS.

**3.18. MAINTENANCE SUPPLY LIAISON (MSL).**

3.18.1. The contractor shall perform MSL functions to provide coordination between maintenance and supply and manage supply transactions for the maintenance complex. The responsibilities of MSL are identified in AFMAN 23-110 and AFI 21-101, Chapter 10 and require close coordination with host unit supply section personnel to effectively manage the

supply chain in support of helicopter maintenance requirements. The functions of maintenance supply include:

3.18.1.1. Use CAMS maintenance/Supply Interface subsystem to order parts and check status of supply requisitions.

3.18.1.2. Participate in the joint bench stock/WRSK review, and support the IREP program.

3.18.1.3. Accomplish turn-ins of serviceable, condemned, and not repairable this station (NRTS) components from maintenance to supply IAW T. O. s 00-20-3 and 00-25-195.

3.18.1.4. Monitor the Due In From Maintenance (DIFM) reconciliation with appropriate activities as outlined in TO 00-20-3.

3.18.1.5. Participate in all base recycle, reclamation and recovery programs.

3.18.1.6. Manage the Reusable Container Program for maintenance and attend Reusable Container Program meetings IAW AFI 24-202, and TO 00-20-3.

3.18.1.7. Prepare all removed components for base supply processing IAW TO 00-20-3.

3.18.1.8. Control and accomplish cannibalization actions in accordance with TO 00-20-2 and AFI 21-101 and MAJCOM supplements (as applicable).

3.18.1.9. Ensure compliance with MIS in accordance with AFCSM 21-566 thru 579 and applicable directives.

3.18.1.10. Maintain Forward Supply Points at applicable units IAW AFMAN 23-110.

**3.19. EQUIPMENT ACQUISITION AND SUPPORT.**

3.19.1. The contractor shall prepare documents required to authorize support equipment and shop test equipment IAW AFI 21-101, Chapter 10, Paragraph 10.10.

**3.20. MATERIAL DEFICIENCY EXHIBIT.**

3.20.1. Materiel deficiency exhibit, issue, turn-in, and storage procedures are in AFMAN 23-110, and TO 00-35D-54. The contractor shall assist the government and other agencies in processing exhibits.

**3.21. BENCH AND OPERATING STOCKS.**

3.21.1. The contractor shall manage Bench, Shop, Operating Stocks, Work Order Residue, Special Levels, and Shelf-Life Items IAW AFI 21-101, Chapter 10, Paragraph 10.6 and AFI 23-110.

## PART I

## CHAPTER 4

## COMPONENT / EQUIPMENT MAINTENANCE

### 4. COMPONENT/EQUIPMENT MAINTENANCE.

The contractor shall troubleshoot, remove, replace, perform on-equipment and off-equipment adjustments, repair, calibrate and perform operational checks on components of the following aircraft systems IAW applicable TOs. These systems include, but are not limited to, airframe, IDAR, GPS, Instrument Systems, Communications Systems, Electrical Systems, Fuel Systems, Navigation Systems and Hydraulic Systems. The contractor shall ensure availability of required safety devices for all equipment and assure enforcement of all safety standards.

### 4.1. PNEUDRAULIC MAINTENANCE.

4.1.1. Pneudraulic maintenance includes but is not limited to; aircraft hydraulic systems, high-pressure pneumatic systems (except environmental systems), perform local manufacture and testing of flexible hose assemblies and testing of tubing assemblies. In-shop capabilities should be available to service, repair, modify, and test components of these systems. Pneudraulic maintenance also includes hydraulic fluid sampling on assigned test stands and servicing equipment.

### 4.2. ELECTRO-ENVIRONMENTAL MAINTENANCE.

4.2.1. Electro-environmental maintenance includes but is not limited to; aircraft fire extinguisher/suppression (including explosive squibs), vacuum, anti-icing, bleed air systems, and combustion heater systems and components. Provides both on and off-equipment maintenance on aircraft electrical systems and support equipment electrical components. In-shop capabilities should be available to service, repair, modify, and test components of these systems. Electro-environmental maintenance has the capability to do authorized local manufacture, repair, overhaul, testing, modification, and inspection of aircraft/support equipment electrical components, batteries, and charging units.

4.2.2. Contractor shall perform maintenance and scheduled inspections on electrical components and wiring/wiring harnesses on B-4, B-8, and B-9 power supply rectifiers. Pre-use inspections will be performed by users IAW TO 00-20-5, applicable work cards and MAJCOM supplements (as applicable).

### 4.3. AVIONICS SYSTEMS MAINTENANCE.

4.3.1. The contractor shall perform maintenance on the following:

4.3.2. Communication-Navigation (Com-Nav) Systems. Perform maintenance on aircraft com/nav systems (i.e. UHF, VHF, etc.) and components, including assigned test equipment.

4.3.3. Guidance and Control. Perform maintenance on instrument systems, flight director systems, auxiliary flight reference systems, ground proximity warning systems (GPWS), pressure altimeters, encoders of the Aircraft Impedance Matching System (AIMS) system, inertial navigation systems, electronic compass system, attitude heading reference system, stability augmentation system, automatic flight control systems, and components and maintain assigned test equipment.

4.3.4. Sensors. Provides necessary maintenance for the infrared detecting system, airborne video tape recording system, laser system and night vision support systems and maintain assigned test equipment.

4.3.5. For units with FLIR systems the contractor shall:

4.3.5.1. Perform Preflight, Thru-flight, Basic Post Flight, Hourly Post Flight, Phase inspections, troubleshooting, factory authorized organizational/field level repair on FLIR Systems IAW applicable technical data and factory manuals. Install and remove FLIR equipment as mission requirements dictate.

4.3.5.2. Prepare and ship FLIR units to manufacturer when authorized by the Unit Commander (or designated representative) for repairs when scope of repair is not within the capability of the maintenance technicians.

**4.4. AIRCRAFT METAL TECHNOLOGY/STRUCTURAL MAINTENANCE .**

4.4.1. Perform major modification, manufacture, repair, and inspection of sheet metal, fiberglass, composite and plastic components metal tubing, conduits, cables and related hardware for aircraft and support equipment. Responsibilities include removing and chemically treating corrosion, maintaining, applying and removing protective coatings and decals on aircraft and support equipment. Perform structural repair IAW 1H-1(U)N-3. The contractor will be required to repair or fabricate components and equipment directly related to helicopter maintenance and operations within the capability of the government provided equipment.

4.4.2. Perform machine tool set-up procedures, cutting operations, hand operations and general machine shop operations, such as bench assembly, fitting, and adjusting machine parts IAW applicable TOs.

**4.5. BATTERY MAINTENANCE.**

4.5.1. The contractor at the 37 HF shall maintain all AGE batteries plus spares and accomplish all maintenance required including, discharge, charge, rebuild, replacement of cells and general hardware IAW TO 8D2-3-1 and applicable safety standards. The government will provide these services at the 40, 54 and 76 HFs and 459th AS. The contractor shall assist the host base specialist at these units. The contractor is solely responsible for these services at the 37th HF.

**4.6. FUEL CELL MAINTENANCE.**

4.6.1. The contractor shall be responsible for all fuel cell maintenance, troubleshooting, repairs, functional checks, modifications, inspections of aircraft fuel systems and components IAW TOs 1H-1(U)N-2-1, 00-25-172, 1-1-3, 00-85A-03-1 and applicable safety standards. The government shall provide a fuel cell hangar or area for fuel cell repairs.

**4.7. HAZARDOUS/RECYCLABLE MATERIALS.**

4.7.1. The contractor shall coordinate with appropriate agencies for proper disposal procedures.

## PART I

## CHAPTER 5

## ENGINE MAINTENANCE

### 5. ENGINE MAINTENANCE (EM).

The contractor shall provide engine maintenance services to include: all engine removals/replacements, control all AFI 21-104 reportable assets, manage QEC kit repair, manage TCI and engine TCTOs, maintain engine records (installed and un-installed) and perform engine MSL duties. The 37, 40 and 76 HFs shall function as the unit engine manager. The 54 HF and 459 AS will coordinate with their respective base engine managers.

### 5.1. CONTRACTOR RESPONSIBILITIES.

5.1.1. For helicopter engines used under this contract only, the contractor shall:

5.1.2. Accomplish the duties and responsibilities as set forth in AFI 21-101, Chapter 7, Paragraph 7.4.1.

5.1.3. Support engine maintenance IAW AFI 21-101, Chapter 10, Paragraphs 7.4.2, 10.3 through 10.28

5.1.4. Ensure all maintenance functions are complied with as outlined in AFI 21-101, Chapter 13, Paragraphs 13.2 through 13.13.

## PART I

## CHAPTER 6

## QUALITY PROGRAM

### 6. QUALITY PROGRAM.

The contractor shall establish, maintain, and implement a comprehensive, standardized quality control program (see CDRL 007). The contracting officer and 20 AF/DOHM will accept this program. The primary role of Quality Control (QC) is to assess aircraft, equipment condition and personnel proficiency (including quality of training). The QC shall evaluate the quality of maintenance accomplished in the maintenance organization and perform necessary functions to manage the QC program. All evaluations will be scored IAW AFI 21-101, Chapter 12, Paragraph 12.9 as outlined in Part V, Appendix 5.

### 6.1. CONTRACTOR RESPONSIBILITIES.

6.1.1. The QC shall:

6.1.1.1. Perform inspections of maintenance actions and procedures, documentation, equipment, and facilities.

6.1.1.2. Perform personnel evaluations.

6.1.1.3. Perform document file inspections.

6.1.1.4. Evaluate the quality of maintenance.

6.1.1.5. Monitor the currency and applicability of technical data.

6.1.1.6. Document all inspections, deficiencies and corrective actions taken.

6.1.1.6.1. Documentation shall include the nature and number of observations and number and type of deficiencies.

6.1.1.6.2. All inspection records shall be made available for review by the government representative for a minimum of one year.

6.1.1.7. The contractor shall notify the government representative in writing of any changes to his inspection system.

6.1.1.8. Maintain a central file of selected TOs for possessed aircraft (TO 00-5 series).

6.1.1.9. Serve as the office of collateral responsibility (OCR) for the process and control of TO improvement reports, source, maintenance, and recoverability coding of Air Force weapon systems and equipment, and materiel deficiency reports prescribed by TOs 00-5-1, 00-35D-54, and 00-25-195.

6.1.1.10. Serve as maintenance focal point/monitor for the self-inspection/crosstell/special interest item programs.

6.1.1.11. Coordinate with the base bioenvironmental engineer, safety, fire department and unit QAE to ensure all safety requirements outlined in OSHA, and AFOSH standards are enforced.

## PART I

## CHAPTER 7

## FLIGHT ESSENTIAL PROGRAMS

### 7. FLIGHT ESSENTIAL PROGRAMS

The contractor shall manage and maintain the following programs IAW TOs and Air Force Instructions.

### 7.1. WEIGHT AND BALANCE (W&B) PROGRAM.

7.1.1. The contractor shall maintain strict accounting of aircraft weight and balance for safe flight operations. Each unit shall manage a Weight and Balance program IAW AFI 21-101, Chapter 12, Paragraph 12.23, to ensure accurate inventories of aircraft weight. As the W&B authority, the contractor shall appoint a qualified weight and balance technician to be the unit weight and balance program manager.

7.1.2. The contractor shall ensure an alternate weight and balance technician is trained, qualified, and designated IAW TO 1-1B-50 as a weight and balance technician for assigned aircraft.

7.1.3. The number of aircraft configurations requiring canned DD Form 365-4s Form F will be at the discretion of the unit commander.

### 7.2. DROPPED OBJECT PREVENTION PROGRAM.

7.2.1. Dropped Object Prevention (DOP) Program. A dropped object is any aircraft part, component, surface, or other item lost during aircrew operations, unless intentionally jettisoned from engine start to engine shutdown. Inadvertently released munitions or munitions released in excess of the quantity selected by the aircrew, or a multiple release, are not considered dropped objects and will be reported IAW AFI 91-204.

7.2.2. The contractor shall administer the DOPP IAW AFI 21-101, Chapter 21, Paragraphs 21.22.11.1 and 21.22.11.3 through 21.22.11.5.

7.2.3. In addition the contractor shall:

7.2.3.1. Establish and manage an OI for the Dropped Object Prevention Program. This program encompasses investigation, material/procedural improvements, and increased awareness of potential dropped objects.

7.2.3.2. Thoroughly investigate all dropped objects immediately when the loss is discovered to determine the cause. Every effort must be taken to determine the precise cause of loss so permanent corrective actions can be taken.

7.2.3.3. Report material failure/personnel error trends, repeat trends, or design defects to higher headquarters. When a material/design deficiency is determined to be the cause of the dropped object, the contractor shall submit a material deficiency report IAW Technical Order 00-35D-54. All AFSPC units that service or maintain aircraft shall develop a DOPP with the following provisions:

7.2.3.4. Report Dropped objects within 24 hours of the incident to HQ AFSPC/LGM and 20 AF/DOHM using the criteria outlined in AFI 21-101, Chapter 21, Paragraph 21.22.11.5

7.2.3.5. Notify the unit flight safety officer, base safety office and 20 AF/SE (Vandenberg notifies 14 AF/SE and 20 AF/SE) when dropped object damage meets the criteria outline in AFI 91-204, Investigating and Reporting US Air Force Mishaps.

7.2.4. Items reported via other channels (e.g. bird strike, safety investigations, etc.) will not be reported under the DOPP. Aircrews discovering a dropped object loss will make an appropriate entry on the AFTO Form 781A, Maintenance Discrepancy and Work Document, and debrief the loss to maintenance.

7.2.5. The contractor at the 459 AS shall develop programs IAW appropriate higher headquarters guidance.

**7.3. FUNCTIONAL CHECK FLIGHT PROGRAM (FCF).**

7.3.1. FCFs (to include operational check flights [OCF]) are performed to ensure an aircraft is airworthy and capable of accomplishing its mission. However, FCFs are not flown when the airworthiness of the aircraft can be determined by maintenance operational checks prescribed by a technical directive. The contractor shall appoint an individual for management and administration of the program.

7.3.2. The contractor shall ensure accomplishment of FCFs IAW AFI 21-101, Chapter 12, Paragraphs 12.20.3, 12.20.6, 12.20.7, 12.20.8, and 12.20.9, TOs 1H-1(U)N-6, 1-1-300 and MAJCOM supplements (as applicable).

7.3.3. The contractor shall inform the QAE of impending FCFs and make requirements known to the ODO as far in advance as possible when requesting FCF crews.

7.3.4. The contractor shall coordinate with Operations to develop OIs or local procedures for utilization of FCF crews.

**7.4. TCTO/ONE TIME INSPECTION (OTI) PROCEDURES.**

7.4.1. The contractor shall review all TCTOs, Class I modifications, and OTIs IAW AFI 21-101, Chapter 12, Paragraph 12.18, to determine their applicability to unit maintained equipment or bench mockups. This includes notifying the CSM and appropriate base agencies and monitoring the quality and timeliness of compliance actions.

7.4.1.1. The contractor shall date stamp all TCTOs/OTIs to indicate when received and establish the start of the compliance period. The start of the compliance period for electrically transmitted TCTOs (OTIs) begins when the message is received on base.

7.4.1.2. The contractor shall distribute TCTOs/OTIs as required to ensure inspection dead lines are met.

**7.5. TECHNICAL ORDER DISTRIBUTION OFFICE (TODO).**

7.5.1. The contractor shall establish and manage TODO accounts and sub accounts IAW AFI 21-101, Chapter 12, Paragraph 12.17, and TOs 00-5-2, 00-5-2-2, and 00-5-2-102. TODO shall:

7.5.1.1. Establish a file of commercial publications when TOs are not published for assigned equipment as authorized in AFPD 21-3 and TO 00-5-2. This file must be co-located with the TO file.

7.5.2. The contractor, upon receipt of new, revised, or changed publications, shall inform appropriate personnel of the publication changes.

7.5.2.1. Maintain the technical administration library and manage unit technical order (TO) requirements, filing, inspection and applicable OIs. Keeps technical order files IAW TO 00-5-2.

**7.6. TRANSFER INSPECTIONS.**

7.6.1. Transfer Inspections shall be performed by the contractor upon receipt of transferred aircraft and to determine equipment condition and adequacy of depot or contractor maintenance as prescribed by AFI 21-101, Chapter 18, Paragraphs 18.13.1.2 to 18.13.2.7 and Note, TOs 00-20-1, 00-35D-54 and MAJCOM supplements (as applicable).

**7.7. IN-PROCESS INSPECTIONS (IPI).**

7.7.1. IPIs shall be accomplished IAW AFI 21-101, Chapter 9, Paragraph 9.7. The CSM shall authorize individuals to clear IPIs. These individuals will be listed on the Special Certification Roster (SCR) product for clearing Red Xs.

7.7.2. IPIs at the 459 AS shall be documented IAW AFI 21-101, Local OI's and MAJCOM directives (as applicable).

7.7.3. Part V, Appendix 4, lists minimum required IPIs.

**7.8. AIRCRAFT IMPOUNDMENT.**

7.8.1. Impoundment procedures shall be accomplished IAW AFI 21-101, Chapter 13, Paragraphs 13.1, 13.3 through 13.7, local OIs and MAJCOM supplements (as applicable). Impoundment procedures at the 459 AS will be accomplished IAW AFI 21-101, local OI's and MAJCOM Supplements (as applicable).

7.8.2. For the purpose of this SOW, the contractor shall utilize the following impoundment terms:

7.8.2.1. Authorized Personnel. Individuals directly involved in the management, safing, troubleshooting, or repair of an impounded aircraft or equipment.

7.8.2.2. Impoundment. Intensified aircraft and equipment management due to system or component malfunction or failure of a serious or chronic nature. Immediate aircraft or equipment isolation and controlled personnel access is required. Impoundment is the isolation or control of access to an aircraft or equipment item and applicable historical records after a serious incident so that an intensified investigation can be completed. Investigative efforts and repair actions are hampered or pertinent evidence destroyed by allowing unrestricted access to the aircraft or equipment involved

7.8.2.3. Impoundment Authority. Individual authorized (Squadron/Flight CC or alternate) to impound aircraft or equipment. Group Commanders will designate in writing, those personnel that have the authority to impound aircraft/equipment. The Impoundment Authority will appoint the impoundment official.

7.8.2.4. Impoundment Official. The impoundment official will be the CSM or alternate appointed by the Impoundment Authority who is responsible for controlling, monitoring, and

investigating the impounded aircraft/equipment. Individual designated is the single point of contact for the affected aircraft or equipment item.

7.8.2.5. Isolation Area. An area designated by the Impoundment Authority to locate impounded aircraft/equipment. Aircraft may be isolated on the flight line or in hangars. The isolation area will be marked off using cones, ropes, or placards indicating the impoundment condition.

7.8.2.6. Impoundment Release Authority. Individual authorized to release aircraft or equipment from impoundment. The OG/CC, LG/CC, or Director has the authority to release aircraft. Delegation of this authority will be limited (Level at minimum will be Squadron/Flight CC or alternate). If the OG/CC, LG/CC, or Director delegate impoundment release authority, individuals will be designated in writing.

7.8.3. Contractor Quality Control shall act as the OPR for Squadron / Flight impoundment procedures.

7.8.4. Impoundment Process And Procedures. The contractor shall develop local procedures in the form of an OI and emergency action checklist IAW AFI 21-101 and MAJCOM supplements (as applicable) and maintain them in the MOCC. These procedures, as a minimum, will define the unique maintenance actions required for impoundment as applicable to assigned type of aircraft.

## PART I

## CHAPTER 8

## TRAINING

### 8. TRAINING.

The contractor shall provide a trained, qualified workforce to ensure satisfactory performance in accordance with this SOW. All training, other than that stated in Part III, Chapter 1, Section 1.4 of this SOW shall be the sole responsibility of the contractor. To ensure a fully qualified work force, the contractor shall accomplish the following:

### 8.1. TRAINING REQUIREMENTS.

8.1.1. The contractor shall develop and implement a standardized, comprehensive workforce training plan to ensure proficiency to perform the requirements as set forth in the SOW. Training will be documented in CAMS or a contractor provided standardized equivalent computer program accepted by the Contracting Officer and 20AF/DOHM. (CDRL A001) All contractors' training records/files and associated documentation (both electronic and hard copy format) shall be made available to the government on request.

8.1.2. The contractor will ensure personnel receive annual training in the following tasks. This list includes, but is not limited to: Refuel/Defuel Supervisor, Towing Supervisor, Jacking Supervisor, Red X Certification, Exceptional Release, Engine Motoring and perform IPIs, etc. The contractor shall document and maintain a record of those individuals authorized to certify completion of these tasks.

8.1.3. The contractor shall ensure personnel remain current on all maintenance tasks that require in-process inspections as prescribed in Part V, Appendix 4. The contractor shall document and maintain a record of those individuals authorized to certify completion of these tasks.

8.1.4. The contractor shall provide personal training including respirator training, Blood Borne Pathogen, CPR, Self-Aid Buddy Care, Hearing Conservation and complete physicals to conform to OSHA and AFOSH Standards.

8.1.5. The contractor shall ensure an alternate is fully trained in CSM duties and responsibilities. Additionally the contractor shall ensure a sufficient number of personnel are cross-trained to perform all requirements of this SOW.

### 8.2. CONTRACTOR PROVIDED TRAINING.

8.2.1. The contractor shall train and certify aircrew members or other personnel as designated by the Unit Commander, in the following tasks:

8.2.1.1. Refuel Supervisor and Tow Team Supervisor.

8.2.1.2. Pre-Flight, Thru-Flight and Basic Post Flight Inspections.

8.2.1.3. Aircraft familiarization training, for aircraft washes, to host base personnel who are trained to perform Nuclear, Biological and Chemical (NBC) contamination control.

## PART I

## CHAPTER 9

## CONTINGENCY/EMERGENCY SERVICES

### 9. CONTINGENCY/EMERGENCY SERVICES.

The following list covers those contractor responsibilities that may occur as a result of a contingency or emergency.

### 9.1. CONTRACTOR RESPONSIBILITIES.

9.1.1. The contractor shall:

9.1.1.1. Respond to on or off-duty taskings listed below: (Reference Part IV, Chapter 1, Para 1.3 and 1.4)

9.1.1.1.1. Higher headquarters, Host-Wing/Group/Unit directed exercises, taskings and competitions.

9.1.1.1.2. Medical Evacuation (MedEvac).

9.1.1.1.3. Search and Rescue (SAR) Operations.

9.1.1.1.4. Fire suppression support.

9.1.1.1.5. Missile launch support.

9.1.1.1.6. Other Contingency, DOC Generation or Emergency Support deemed necessary by the Unit Commander.

9.1.2. Provide for 24 hour a day communications with the Unit Operation Duty Officer (ODO) or Supervisor of Flight (SOF) 7 days a week. Maintain a standby crew, on call, to launch and recover aircraft during other than normal operating hours.

9.1.3. At the 37, 40, 54, and 76HFs respond within 60 minutes after notification from government personnel and are ready for launch 30 minutes later. The 459AS shall respond within 2 hours after notification from government personnel.

9.1.4. Cooperate with appropriate authorities in support of the Aircraft Accident Prevention and Investigation Program by providing assistance to investigation teams IAW AFI 91-204.

9.1.5. Coordinate with operations to develop and maintain appropriate recall rosters and emergency/quick reaction checklists for crash, fire, severe weather warning, bomb threat, etc. as required by the host base/unit. These checklists will be approved and signed by the Functional Commander and be available for use in maintenance control. Sets up a crash recovery and reclamation capability when specific recovery responsibilities are assigned. Specific responsibilities are to:

9.1.5.1. Coordinate with the fire department, safety, disaster preparedness, and other agencies as required in the development of procedures outlining crash recovery requirements.

9.1.5.2. Provide and document adequate training for maintenance people assigned crash recovery duty.

9.1.5.3. Make sure crash recovery team is trained and equipment is inspected to ensure they are capable of performing crash recovery duties.

9.1.5.4. Carry out custodial and storage responsibilities for special purpose equipment specifically assigned to the crash recovery mission.

9.1.5.5. Make sure reclamation and disposition responsibilities are done as directed in applicable TOs and directives.

**9.2. CONTINGENCY PLAN.**

9.2.1. The contractor shall maintain a contingency plan that provides for continued operations in the event of catastrophic and non-catastrophic events and work stoppage. The contingency plan must provide for immediate response to catastrophic events to ensure timely support of all mission requirements. The contractor shall coordinate all proposed changes through the CO prior to implementation. The contingency plan shall be made available for review by the government upon request.

# PART I

# CHAPTER 10

# TRANSIENT SUPPORT

## 10. TRANSIENT SUPPORT.

Transient support is outlined as follows:

### 10.1. CONTRACTOR RESPONSIBILITIES.

10.1.1. The contractor shall provide support for transient helicopters maintained under this contract. Transient support shall be accomplished on a not-to-interfere basis with normal activities so as to minimize overtime.

10.1.2. Transient helicopters not maintained under this contract shall be supported as requested by the unit commander to the extent set forth by this SOW.

10.1.3. Transient support that will result in the occurrence of overtime shall be coordinated between the unit commander and the site manager prior to the event.

## PART I

## CHAPTER 11

## ENVIRONMENTAL PROTECTION

### 11. ENVIRONMENTAL PROTECTION.

The following sections cover contractor responsibilities in support of Environmental Protection.

### 11.1. CONTRACTOR RESPONSIBILITIES.

11.1.1. The contractor shall: ensure compliance with all Department of Defense and Air Force directives, regulations, instructions and policy, as well as all Federal, state, and local laws and regulations regarding the use, treatment, storage, transport, or disposal of hazardous substances, pollutants, contaminants, hazardous materials, solid or liquid hazardous wastes, or hazardous constituents (hereinafter collectively "hazardous substances or wastes") until the government receipts for such hazardous substances or wastes as provided in the following paragraphs. Compliance obligations include, but are not limited to the obligation to initiate all required notifications and response actions where there is a release of such hazardous substances or wastes generated, treated, stored, disposed of, transported, or used by the contractor, its agents, or employees in performance of activities under this contract.

11.1.2. At the 37, 40 and the 54 HFs the government will transport the hazardous substances or wastes from the point where accumulated by the contractor to an appropriate treatment, storage or disposal facility of the government's choosing. The government will receipt for such hazardous substances or wastes at the time of collection for transport to such facility. The contractor is responsible for the hazardous waste accumulation barrels. It will be the contractor's responsibility to provide the government with adequate notice to allow the government to arrange for such transport prior to the hazardous substances or wastes exceeding limitations regarding quantities, which may be accumulated, or the duration of such accumulation.

11.1.3. At the 76 HF and the 459 AS the contractor shall be responsible for transporting hazardous substances or wastes from the point where accumulated by the contractor to the on-base storage facility or accumulation point designated by the government. The government shall provide appropriate vehicle for contractor use necessary for transport of such hazardous substances or waste to the storage facility. The contractor shall be responsible to ensure compliance with all laws and regulations applicable to such transport. Additionally, the contractor shall be responsible to insure that such transport is completed prior to the hazardous substances or wastes exceeding limitations regarding quantities that may be accumulated or the duration of such accumulation. The government shall receipt for such hazardous substances or wastes upon delivery by the contractor to the designated facility. The contractor is responsible for the hazardous waste accumulation barrels.

11.1.4. The contractor will accumulate hazardous substances or wastes generated as a result of its activities under this contract either on-site pursuant to 40 CFR 262.34(a), or other more stringent state or local requirements. It is the responsibility of the contractor to operate and manage the locations at which such hazardous substances or wastes are accumulated in accordance with all applicable state, federal or local laws and regulations. The contractor's responsibilities include, but are not limited to, requirements related to personnel training, use and management of containers or tanks, container marking and labeling, preparedness and prevention, and

contingency planning. The government will provide all equipment, containers, and any other items necessary for the contractor to operate and manage the locations to be used by the contractor for the accumulation of hazardous wastes as provided above. Where such locations require improvements or construction, such as the laying of asphalt or concrete pads, or the installation of security fencing, the government will be responsible for such improvements or construction.

## PART I

## CHAPTER 12

## SECURITY

### 12. SECURITY.

The contractor is responsible for the security of equipment and facilities IAW AFI 31-501, plus those imposed by the installation/unit commander at all times as outlined below.

### 12.1. SECURITY REQUIREMENTS.

12.1.1. The contractor shall monitor and control access into controlled areas outlined in this SOW. Contractor personnel shall not enter controlled areas and/or base facilities unless specifically authorized in performance of their duties.

12.1.2. The contractor shall ensure that each employee acquires base entry passes and employee identification cards. These may be obtained from Pass and Registration. The contractor shall be responsible for insuring that ID cards are turned in to Pass and Registration upon termination or resignation of the employee. The contractor shall obtain the following pass and identification items from the government:

12.1.2.1. Appropriate Base Entry Pass.

12.1.2.2. National Agency Check (NAC) IAW AFI 31-501.

12.1.2.3. Controlled Area Badge as required (AF Form 1199/2586).

12.1.2.4. Vehicle pass for personal vehicles as required.

12.1.3. The contractor is responsible for ensuring the items in Part I, Chapter 11, para 11.1.1 are returned within three days of employee termination or contract completion. The contractor shall return Controlled Area Badges to the appropriate Security Manager, and the vehicle pass shall be returned to the Security Police Pass and ID. The loss of any of the items listed in Part I, Chapter 11, para 11.1.1 shall be immediately reported to the contracting officer and unit Security Manager.

12.1.4. Base Security Requirements. All employees shall have a minimum of a secret clearance. The Contracting officer shall initiate the accomplishment of the AF Form 355, Application for Civilian Identification. Employees must go to the Pass and ID section to obtain the items listed in Part I, Chapter 11, para 12.1.1.

12.1.5. National Agency Check (NAC). Contractor employees must have NAC resulting in a secret clearance. The contractor shall initiate paperwork for required NACs within 10 calendar days after award of the contract. The contractor's employees who currently have secret NACs are authorized to and shall provide escorts for those personnel awaiting their NAC. Once a secret check has been received, the contractor shall be notified to have the employee report to Security Police Pass and ID for issuance of a Controlled Area Badge. The Controlled Area Badge shall be obtained within two working days of notification (if required).

12.1.5.1. Each employee requiring unescorted entry shall go to the security manager to obtain and complete appropriate paperwork for security access badges. Unescorted entry is in addition to all other security requirements in this SOW.

**12.2. PHYSICAL SECURITY.**

12.2.1. The contractor shall be responsible for safeguarding all government property within his/her area of responsibility. At the close of each work period, government facilities, equipment and materials shall be secured.

12.2.2. Key Control. The contractor shall establish and implement methods of ensuring that all keys issued to the contractor by the government are not lost, misplaced or used by unauthorized persons. Keys issued to the contractor, by the government, shall not be duplicated. The contractor shall develop written procedures covering key control. The contractor shall confiscate keys from individuals who are placed under suspension or termination.

12.2.2.1. The contractor shall report the occurrences of a lost or duplicated key to the unit's resource protection monitor and QAE.

12.2.2.2. In the event keys (other than master keys) are lost or duplicated, the contractor shall be required, upon direction of the contracting officer, to re-key or replace the affected lock or locks; however, the government, at its option, may replace the affected lock or locks or perform re-keying. When the government performs the replacement of locks or re-keying, the total cost of re-keying or the replacement of the lock or locks shall be deducted from the monthly payment due the contractor. In the event a master key is lost or duplicated, the government shall replace all locks and keys for that system and the total cost deducted from the monthly payment due to the contractor.

12.2.2.3. It is the responsibility of the contractor to prohibit the use of keys issued to the contractor to any person other than the contractor's employees. It is also the responsibility of the contractor to prohibit the opening of locked areas by the contractor's employees to permit entrance of persons other than the contractor's employees engaged in the performance of assigned work in those areas.

12.2.3. Lock Combinations. The contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons.

## PART II

## SERVICE DELIVERY SUMMARY (SDS)

### 1. SERVICE DELIVERY SUMMARY CHART.

| PERFORMANCE OBJECTIVE THRESHOLD | SOW REFERENCE | PERFORMANCE THRESHOLD |
|---|---|---|
| PO-1<br>Perform helicopter maintenance to ensure safe and operational helicopters to ensure zero Red X conditions | SOW Part 1, Chapter 2, Para 2.1.2.1, 2.1.2.23, 2.1.24, and T.O. 00-20-1 | 100% Compliance |
| PO-2<br>Perform scheduled maintenance inspections to ensure critical safety compliance for helicopter airworthiness to ensure zero Red X conditions | SOW Part 1, Chapter 2, 2.1.2.2, 2.1.2.4, 2.1.2.5 thru 2.1.2.5.3 and T.O. 00-20-1 | 100% Compliance |

## PART III

## CHAPTER 1

### 1. GOVERNMENT FURNISHED PROPERTY AND SERVICES GENERAL.

The government shall provide the facilities, equipment, materials, and/or services listed below.

### 1.1. PROPERTY

1.1.1. Facilities. The government shall make available facilities described in this chapter. Facilities have been inspected for compliance with OSHA. Known hazards that exist are on file with the Base Safety Office. The government shall correct these hazards in accordance with base wide government developed plans of abatement taking into account safety and health priorities. A higher priority for correction shall not be assigned to the facilities provided hereunder merely because of this contract initiative. The identification of any hazardous condition does not warrant or guarantee that no other possible hazards exist, or that the work-around procedures currently employed shall be adequate to meet the responsibilities of the contractor. Compliance with OSHA and other applicable laws and regulations for the protection of employees is exclusively the obligation of the contractor, and the government shall assume no liability or responsibility for the contractors compliance or noncompliance with such requirements, with the exception of the aforementioned responsibility to make corrections in accordance with approved plans of abatement subject to base wide priorities. Prior to any modification of the facilities by the contractor, the contractor must notify the base Civil Engineer and provide documentation describing in detail the modification requested. No alterations to the facilities shall be made without specific written permission from the contracting officer: however, in the case of alterations necessary for OSHA compliance, such permission shall not be unreasonably withheld. The contractor shall return the facilities to the government in the same condition as received, fair wear and tear and approved modifications excepted. These facilities shall be used in the performance of the contract only.

1.1.2. Equipment. The government shall provide the contractor equipment listed in this chapter for each unit. Government furnished equipment designated in this SOW shall be managed by the contractor in accordance with the provisions of AFMAN 23-110. The procedures specified are in addition to those required by the Government Property clause of this contract.

1.1.3. A record of inspection, lubrication, and maintenance on each piece of industrial type equipment IAW TO 34-1-3 shall be maintained.

1.1.4. Obtaining Additional or Replacement Equipment. The contractor shall submit such requests through the QAE to insure proper coordination. The government shall replace special tools as listed in this SOW. Replacement shall be on a one-for-one basis with final determination as to serviceability by QAE. Lost and misused tools as determined by the QAE shall be replaced at the contractor's expense. Non-EAID equipment is designated in Part III Chapter 1, Para 1.1.2.3. The contractor shall also be responsible for turning in any excess and unneeded items. The contractor shall coordinate all such turn-ins with the QAE.

1.1.5. The government shall furnish the equipment listed in Part III, Chapter 4. The government shall replace unserviceable equipment. The contractor is responsible for the up-keep, cleaning, and serviceable condition of the equipment. The contractor shall replace equipment damaged through negligence. Equipment quantities and types will vary from site to site. The CSM shall

sign for quantities issued to them. The items listed in Part III, Chapter 4, are subject to change as replacement equipment is received.

1.1.6. The government shall maintain and repair equipment leased/rented by the government and provided to the contractor except that in the case of loss or damage beyond fair wear and tear, the contractor's liability shall be to reimburse the government for 100 percent of all expense incurred. The provisions of the government lease agreements setting forth liability for loss or damage to leased equipment shall be made available for the contractor's inspection upon request to the contracting officer.

1.1.7. The government shall determine computer requirements and provide equipment to perform weight and balance, vibration log analysis, depot level repair tracking, message processing, supply and maintenance management (CAMS) and automated publications management. The system(s) may include a central processing unit, monitor, printer, 3.5-inch disk drive, CD-ROM, internal hard disk drive, and appropriate software to comply with the contract. This equipment is subject to change based on system upgrades or replacement (ADPE custodian inventory).

1.1.8. The government will provide the hand tools presently in use as reflected on the unit master tool inventory and required to accomplish tasks identified within the SOW. The contractor shall be responsible for tool control and upkeep. The QAE shall verify damaged and broken tools and replace as necessary.

1.1.9. The government will provide the special tools and PMEL presently in use as reflected on the CACRL, unit master tool inventory and Part III, Chapter 3. The contractor shall be responsible for tool control and upkeep. The QAE shall verify damaged/broken tools and equipment and replace as necessary. The government shall provide maintenance support for this equipment.

1.1.10. The government shall provide the following vehicles to the contractor for use in direct support of contract maintenance:

| ITEM | 37HF | 40HF | 54HF | 76HF | 459AS |
|---|---|---|---|---|---|
| Warehouse Tug | 2 | 2 | 1 | 1 | 1 |

**1.2. MATERIALS**

1.2.1. The government shall furnish the following materials for the duration of the contract, including option periods. The contractor shall obtain and maintain these materials IAW AFMAN 23-110. At the end of the contract the contractor shall return all residual inventory to the government.

1.2.1.1. Aircraft cleaning supplies, soap, solvents

1.2.1.2. Aircraft communication headset (total number determined by government)

1.2.1.3. Aircraft forms and binders

1.2.1.4. Aircraft wash equipment (brushes, scrub pads, and protective equipment)

1.2.1.5. Benchstock and replenishment

1.2.1.6. Consumables for aircraft and vehicles

1.2.1.7. Eye protection

1.2.1.8. Facility upkeep supplies (brooms, mops, buckets, sweeping compound, glass cleaner, soap, paper products)

1.2.1.9. Floor scrubber replacement parts (at units that require scrubber)

1.2.1.10. Hard hats

1.2.1.11. Launch and recovery wands and reflective vests

1.2.1.12. Office supplies (i.e. pens, pencils, paper, paper clips, staples and tape)

1.2.1.13. Pagers/cell phones/radios (as required / total number determined by government)

1.2.1.14. Respirator (as required)

1.2.1.15. Snow removal equipment (shovels and salt as required)

1.2.1.16. TO and Regulation binders

**1.3. SERVICES**

1.3.1. Utilities: Basic utilities shall be furnished at no cost to the contractor.

1.3.2. Postal Installation Distribution: Postal installation distribution will be provided by the government through the Base Information Transfer System (BITS) for official use only.

1.3.3. Telephones: The government shall provide "Class C" telephone service. "Class A" service shall be available for the contractor's use for official business only. Other than maintenance related official government business, commercial long distance calls, including fax transmissions, shall be at contractor's expense.

1.3.4. Refuse Collection: The government shall provide garbage, trash, and refuse pickup and disposal service from outdoors refuse containers.

1.3.5. The government shall provide temporary storage for hazardous chemicals and waste generated and accumulated by the contractor in the course of the maintenance activities required by this SOW.

1.3.6. Insect and Rodent Control: The base CE Entomology function shall provide insect and rodent control.

1.3.7. Security Police and Fire Protection: The government shall furnish security police and fire protection.

1.3.8. Fire Protection: The contractor shall comply with standards of fire prevention and safety set forth in AFI 32-2001 and local directives. The contractor shall make all assigned facilities and equipment available for inspections and surveys. All fire protection services, maintenance and repair shall be provided by the government. If a smoking area is desired, the contractor shall obtain appropriate clearance to designate a smoking area from the Base Fire Department.

1.3.9. Automatic Data Processing. The government shall provide a system of accounting for equipment specified in Part III, Chapter 1, Par 1.1.2.4 and 1.1.2.5.

1.3.10. The contractor shall comply with all computer and data security measures required by the government, including initial risk analysis. Risk analysis determines if the facility is securable,

and if the computer equipment is properly stored. Security tests and evaluations (i.e. SATE) shall be performed at the required intervals to ensure compliance in these areas. Tests are given to ensure personnel operating the computer are aware of the required security regulations and shall be conducted by the Unit Security Manager. The contractor shall serve as the terminal area security officer (TASO) IAW AFI 33-series for safeguarding security of assigned computer systems.

1.3.11. The government shall provide maintenance support for the ADP equipment.

1.3.12. Core Automated Maintenance System (CAMS). The government shall provide CAMS compatible equipment and necessary CAMS training as required.

1.3.13. Transportation. The government will provide general purpose vehicles on an incidental basis at the discretion of the unit commander

1.3.13.1. The government shall provide vehicles listed in Part III, Chapter 1, Para 1.1.2.8. The contractor shall be responsible for the daily inspections and servicing of all vehicles used by the contractor. The government shall provide all necessary gas and oil for these vehicles. The unit Vehicle Control Officer (VCO) must know where vehicles are assigned.

1.3.13.2. Coordinate with Functional Commander and the transportation squadron for a replacement vehicle on a priority basis when a maintenance vehicle is out of commission.

1.3.14. Facilities and Hoist Maintenance. The government shall provide real property maintenance for government provided facilities to include hoists IAW AF 32-Series Instructions. The contractor shall report emergency problems to the Base Civil Engineer (BCE) Service Call Desk. The contractor through the facility manager requests routine maintenance.

1.3.14.1. All hoists will be visually inspected prior to use. Hoists will be inspected and maintained IAW AFOSH standards and applicable tech data. Defective hoists will be tagged IAW applicable AFOSH standards.

1.3.14.2. Base CE weight tests the hoists IAW applicable TOs after initial installation and following any repair or calendar inspections, which requires disassembly or parts replacement.

1.3.14.3. The CSM and supporting base civil engineers establish procedures to document Real Property Installed Equipment (RPIE) hoist inspection.

1.3.15. Supply Delivery. The government shall provide supply delivery service as required. The contractor will identify a Repair Cycle Section area within his facility and store repairable items there for pick up by supply pick-up and delivery.

1.3.16. Ramp Sweeper/Snow Removal Service. The government shall provide this service when required except where noted in Part III, Chapter 2. Request service through Base Operations or other appropriate base agency.

1.3.17. Emergency Medical Service. The government shall provide emergency medical care through the base hospital or clinic where available. The contractor shall reimburse the government for this service. Emergency only treatment or ambulance transportation to local hospital is authorized.

1.3.18. NDI/JOAP Support. Government shall provide NDI and JOAP support IAW Support Agreements or Memorandums of Understanding and local OIs as applicable.

1.3.19. Aviation Fuel. Government furnished aircraft fuel shall be delivered to the aircraft by base fuels support.

1.3.20. Industrial Hygiene. The government Medical Service shall provide an annual evaluation of government furnished equipment, which could produce adverse health effects. These evaluations are intended to ensure the equipment is meeting design criteria, as in the case of industrial ventilation systems, or to identify equipment which may be potentially harmful to the health of personnel, i.e., noise producers, ionizing and non-ionizing radiation emitters. The Medical Service shall also provide recommendations on the control of the issue of toxic chemicals to the unit per AFMAN 23-110.

**1.4. GOVERNMENT PROVIDED TRAINING**

1.4.1. Government furnished training shall be provided to obtain an AF Form 2293, U.S. Air Force Motor Vehicle Operator Identification card, for all government vehicle operators.

1.4.1.1. The contractor shall request driver training for employees required to operate any government vehicle. The contractor shall submit, in writing to base transportation, an AF Form 171 for each person requiring drivers training for issuance of AF Form 2293. The letter shall state the requirement for "Flight Line Operations". This training shall be completed within the 30-day phase-in period. Flight Line Operators require flight line training, which will be documented on AF Form 483 or as required by local base.

1.4.2. Government furnished training shall be provided for supply/equipment account custodian(s) and alternate(s). The contractor shall be responsible for requesting training from base supply customer service section. This training shall be completed within the 30-day phase-in period.

1.4.3. Government furnished initial and annual fire extinguisher training shall be provided for all employees. The contractor shall be responsible for requesting this training from Civil Engineering Fire Technical Services section. The initial training shall be completed within the 30-day phase-in period.

1.4.4. Government furnished training shall be provided for maintenance personnel required to fly aboard aircraft. Requirements for maintenance personnel required to fly are aircraft egress training, life support and equipment training, survival training (slides/tape for areas concerned), local operating instructions and procedures review, and applicable flight ground training as required in AFI 11-202 Vol. 1. This training shall be completed within the 30-day phase-in period.

1.4.5. The government will provide weight and balance training, if required. The government will train two contractor personnel per unit. This will be scheduled with the coordination and approval of the Unit Commander and Contracting Officer.

1.4.6. The contractor shall ensure his employees receive training in the following areas: (The government will provide this training)

1.4.6.1. Communications Security (COMSEC) IAW AFI 33 series.

1.4.6.2. Operations Security (OPSEC) IAW AFI 10-1101.

1.4.6.3. Control Area Training IAW AFI 31-209.

1.4.6.4. Core Automated Maintenance System (CAMS) (For personnel who require it for job performance).

1.4.7. Government furnished initial and continuation training shall be provided for contract personnel serving as primary and alternate hazardous waste managers. The government will furnish HAZMAT Training as required. The contractor shall be responsible for requesting this training from appropriate base agencies. Initial training shall be completed within the 30-day phase-in period.

**PART III**

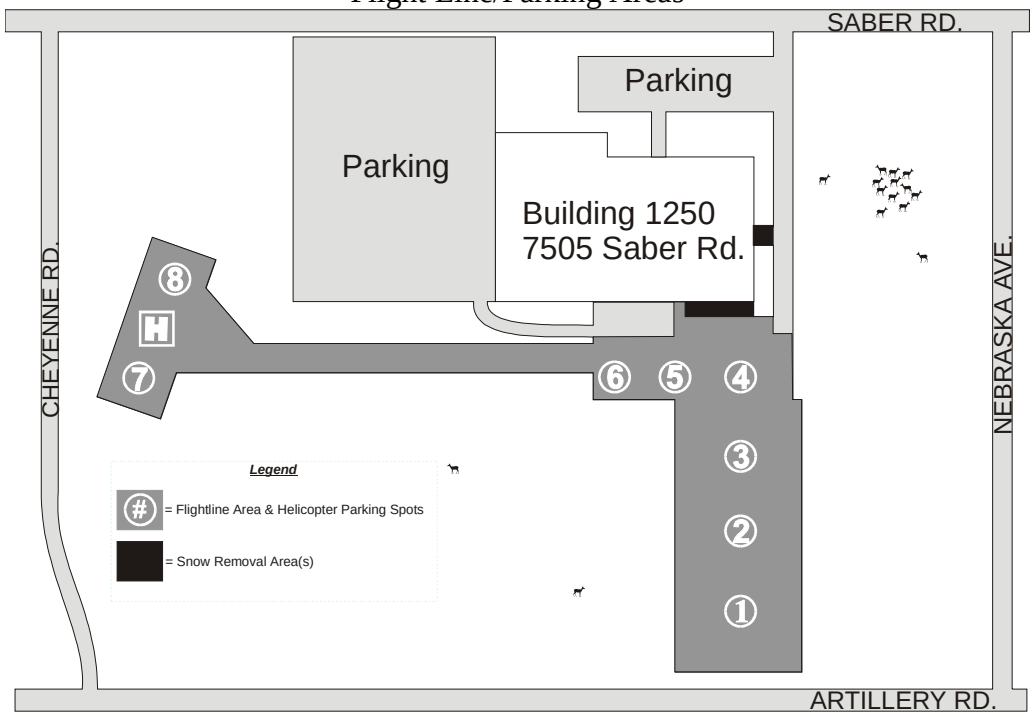
**CHAPTER 2**

**FACILITY DIAGRAMS**

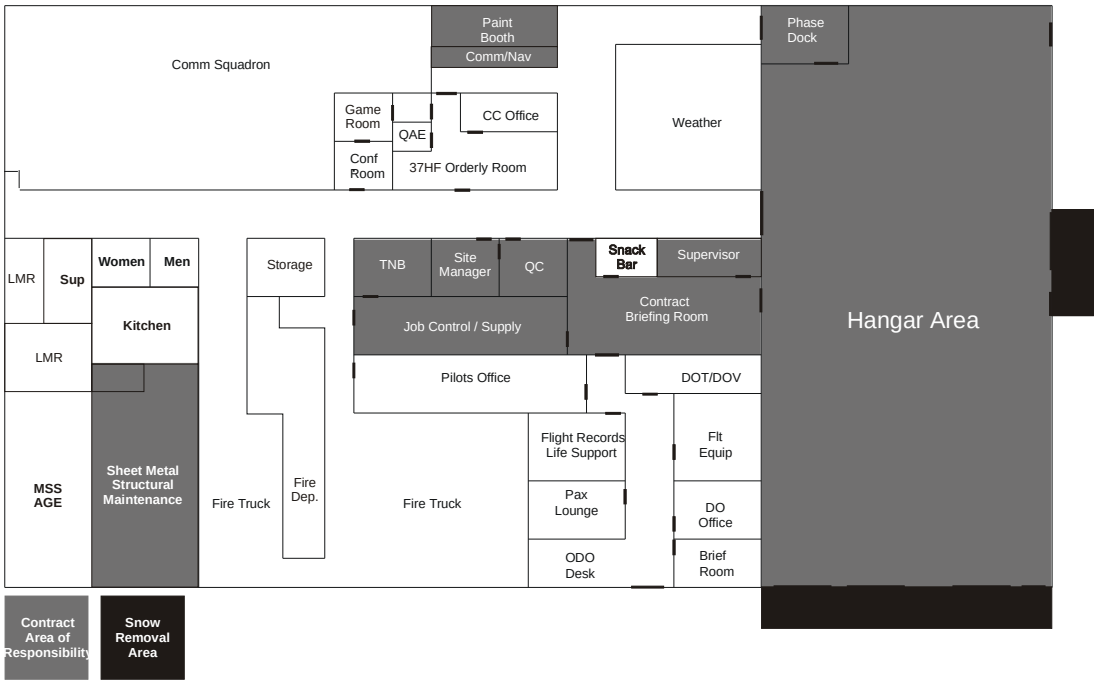
## 2. FACILITIES

### 2.1. 37TH HELICOPTER FLIGHT FACILITIES

Flight Line/Parking Areas



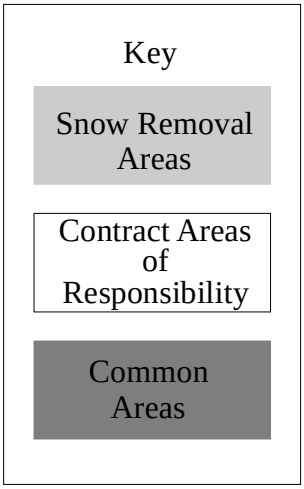

Facilities

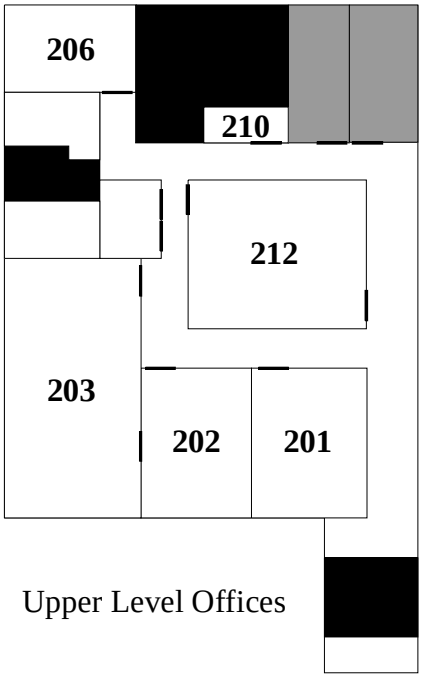


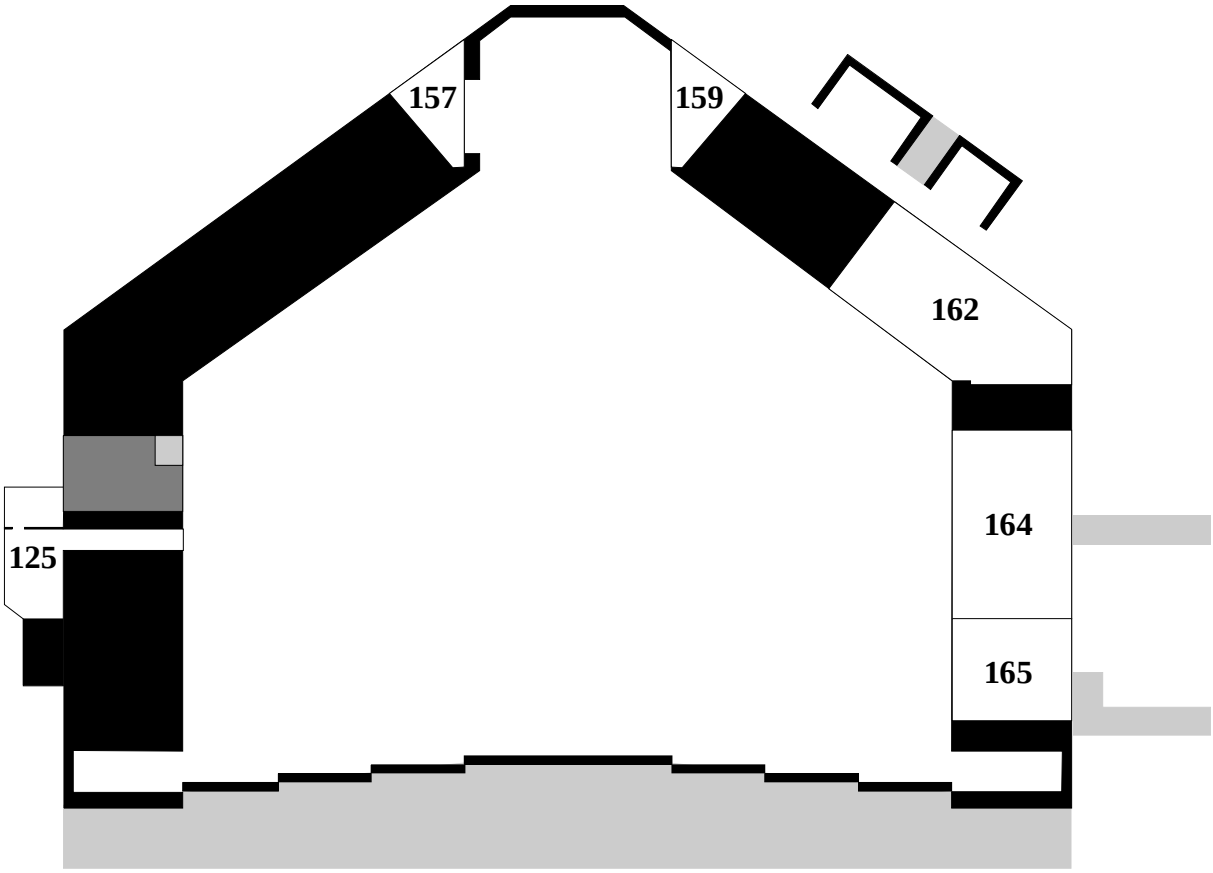

2.1.1. 37th Helicopter Flight Room Assignments

| LOCATION | USE | SQUARE FEET |
|---|---|---|
| Hangar | Hangar Aircraft | 22,000 |
| Ramp | Flightline | 154,000 |
| Room 100 | Paint Booth | 520 |
| Room 101 | Office, Comm/Nav | 140 |
| Room 108B | Office, Phase Dock | 492 |
| Room 109-111 | Office, Break Room | 900 |
| Room 132 | Sheet Metal, Engine/Age Shop | 4,379 |
| Room 134 | Storage Area | 784 |
| Room 135 | Shop Area | 200 |
| Room 139 | Office, Supply | 490 |
| Room 139A | Storage, TNB | 120 |
| Room 140 | Office, QC | 154 |
| Room 141 | Office, Site Manager | 154 |

## 2.2. 40TH HELICOPTER FLIGHT FACILITIES



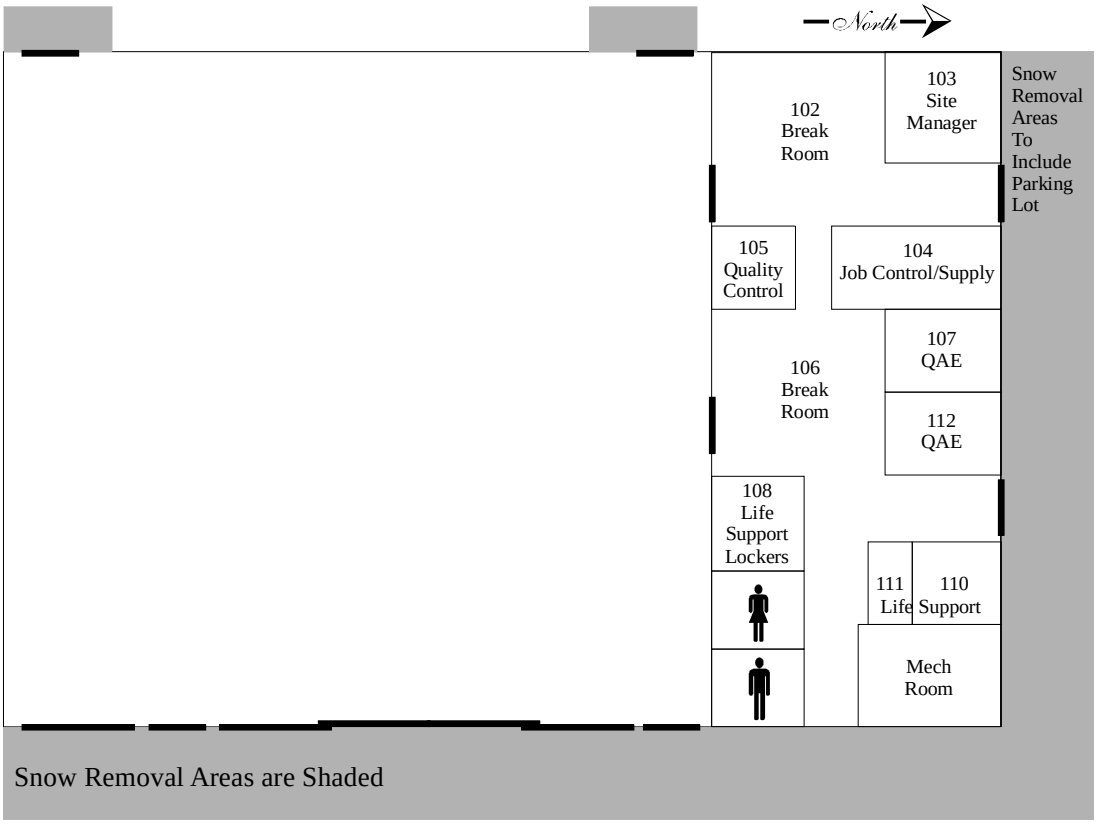



2.2.1. 40th Helicopter Flight Room Assignments

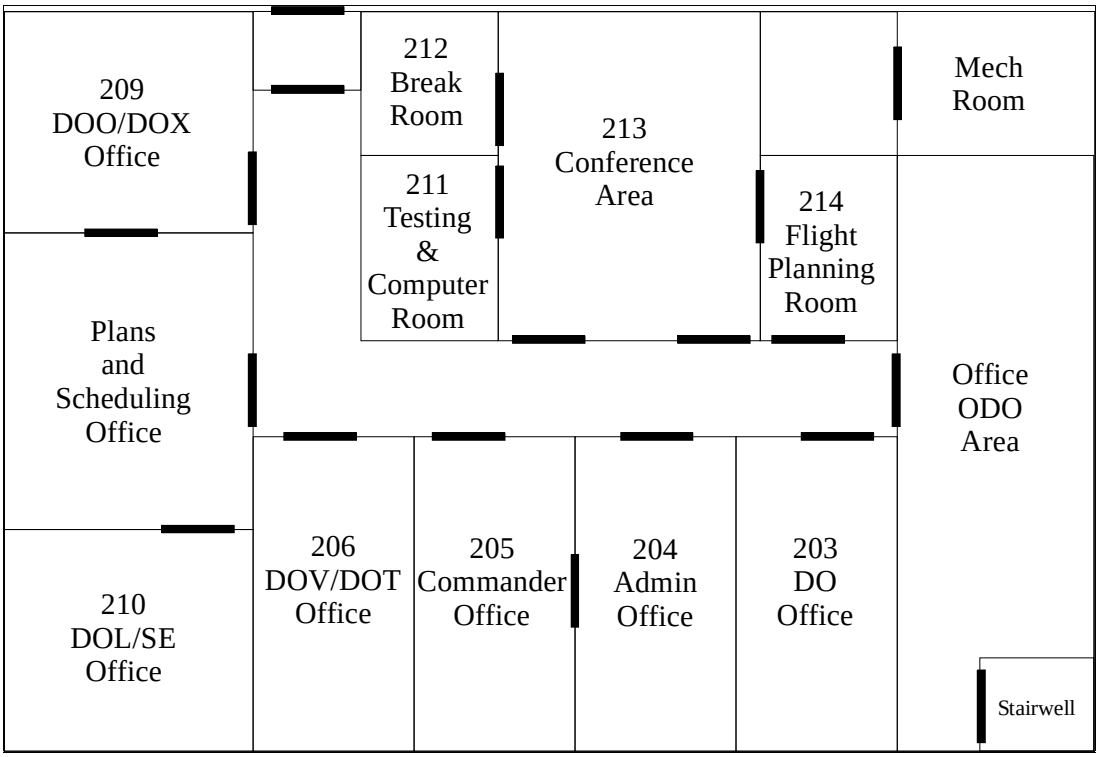
| LOCATION | USE | SQUARE FEET |
|---|---|---|
| Hangar | Hangar Aircraft | 22,000 |
| Ramp | Flightline Operations | 90,000 |
| Room 125 | Avionics | 200 |
| Room 157 | Office | 150 |
| Room 159 | Battery Charging | 150 |
| Room 162 | Machine Shop | 800 |
| Room 164 | Office | 840 |
| Room 165 | Office | 400 |
| In Hangar | Janitor Closet | 25 |
| Room 201 | Office | 176 |
| Room 202 | Office | 176 |
| Room 203 | Office | 336 |
| Room 206 | Office | 117 |
| Room 208 | Toilet | 78 |
| Room 209 | Toilet | 78 |
| Room 210 | Janitor Closet | 36 |
| Room 212 | Office | 90 |

## 2.3. 54TH HELICOPTER FLIGHT FACILITIES

First Floor



**Second Floor**

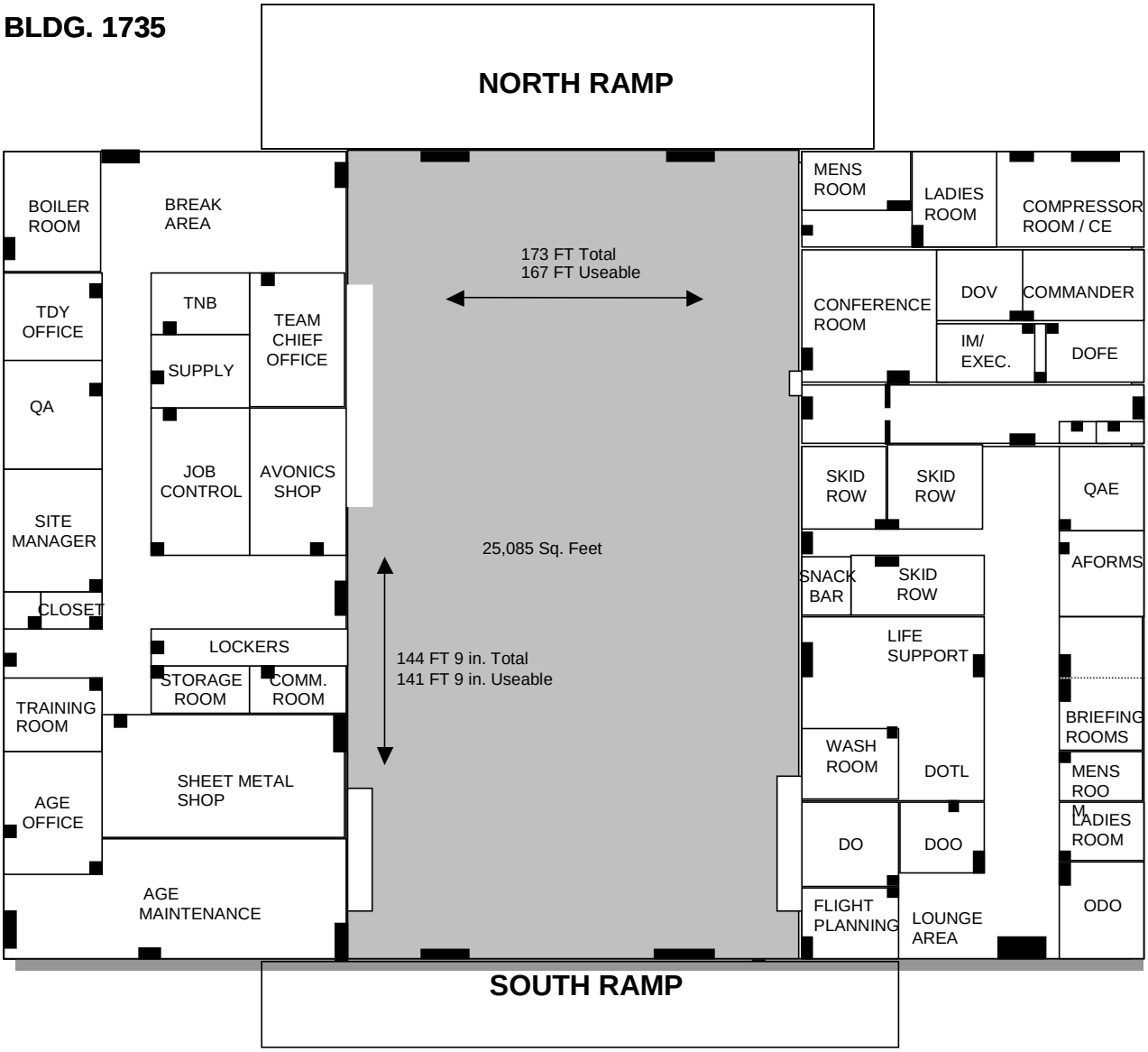



2.3.1. 54th Helicopter Flight Room Assignments

| LOCATION | USE | SQUARE FEET |
|---|---|---|
| Hangar | Hangar Aircraft | 6,000 |
| Ramp | Flightline | 39,680 |
| Room 105 | LGMO/LGMQ | 207 |
| Room 104 | LGMM/LGMS | 169 |
| Room 103 | Contract Manager | 154 |
| Room 102 | Break Room | 360 |

## 2.4. 76TH HELICOPTER FLIGHT FACILITIES

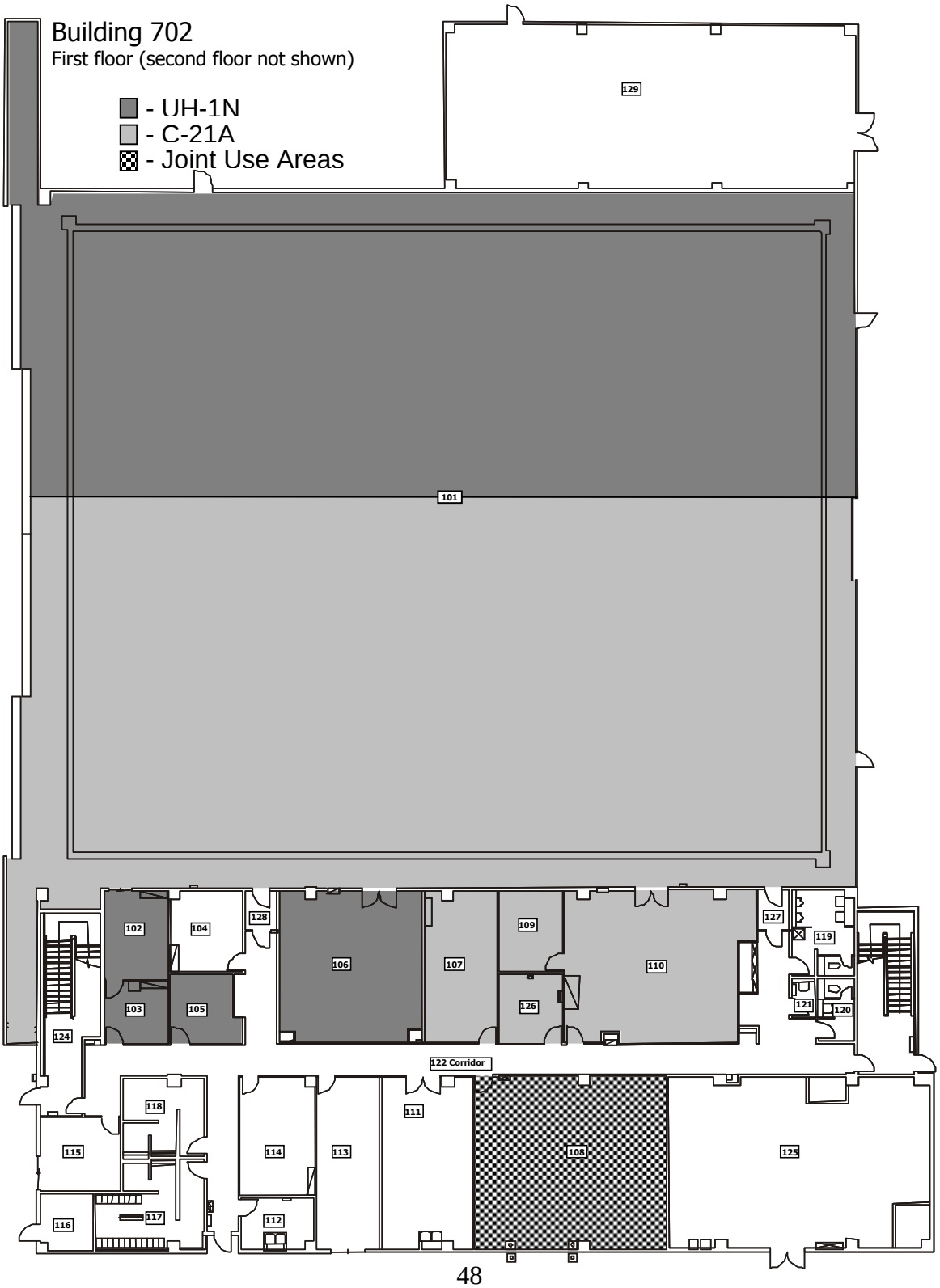
**BLDG. 1735**



76th Helicopter Flight Facilities

| LOCATION | USE | SQUARE FEET |
|---|---|---|
| Hangar | Hangar Aircraft | 13125 |
| Ramp | Flightline | 90000 |
| Breakroom | Breakroom | 552 |
| Room 101 | Supply | 224 |
| Room 102 | Tail Number Bin | 172 |
| Room 103 | Flight Chief | 170 |
| Room 104 | Job Control/Data | 170 |
| Room 105 | Quality Assurance | 170 |
| Room 106 | Contract Manager | 192 |
| Room 107 | Training | 170 |
| Room 108 | Flight Chief | 170 |
| Room 112 | Structural Repair | 105 |
| Room 113 | Avionics | 164 |
| Machine Shop | Structural Repair | 425 |
| Building 1722 | Corrosion Control Storage | 325 |
| Oil/Water Separator and Washrack | Corrosion Control | 1875 |

## 2.5. 459TH AIRLIFT SQUADRON FACILITIES



2.5.1. 459th Airlift Squadron Room Assignments

| LOCATION | USE | SQUARE FEET |
|---|---|---|
| Hangar | Hangar Floor Space | 19,000* |
| Ramp | Flightline | * |
| Room 10 | Engine Storage | 483 |
| Room 11 | Team Chief Office | 354 |
| Room 12 | Administrative Area | 322 |
| Room 13 | Contractor Break Office | 590 |
| Room 14 | Site Manager Office | 305 |
| Room 15 | MACC/Quality Control | 354 |
| Room 16 | Bench Stock | 324 |
| Room 17 | Tool Issue Area | 247 |
| Room 24 | Hazardous Waste Storage Area | 331* |

* – Used and maintained jointly with C-21A contractor

## PART III

## CHAPTER 3

## GOVERNMENT FURNISHED EQUIPMENT

## CACRL GOVERNMENT OWNED

### 3. GOVERNMENT FURNISHED EQUIPMENT (CACRL).

The government shall furnish the following CACRL equipment and shall replace defective equipment. This list is subject to change as replacement is received. The contractor shall be responsible for the requisition, control, and use of these items.

### 3.1. 37 HF, F.E. WARREN AFB, WY

| NOMENCLATURE | STOCK NUMBER | ON HAND |
|---|---|---|
| Adapter (Eng) | 1740-00-161-4128 | 2 |
| Adapter (XMSN) | 1730-00-153-2880 | 2 |
| Agitator Paint | 4940-00-243-2735 | 1 |
| Align Tool (T101559) | 5120-00-411-5105 | 1 |
| Balancer/Analyzer 8500 | 4920-01-348-5162 | 2 |
| Band Saw, Metal | 3405-00-351-9704 | 1 |
| Band Saw, Wet-Cut | 3405-00-985-3224 | 1 |
| Bar Bearing Removal (T101424) | 4920-00-876-0102 | 1 |
| Bench Build Up, MR Hub | 4920-00678-5431 | 1 |
| Blaster, Sand | 4940-PYA428 | 1 |
| Booth, Spraying | 4940-00-288-1509 | 1 |
| Bore Scope | 6650-00-545-8472 | 1 |
| Brake Machine | 3441-00-241-8265 | 1 |
| Calibrator 11-11PS (8500) | 4920-01-066-0010 | 1 |
| Charger, Battery (ARM/186) | 6130-01-081-3915 | 1 |
| Cleaner Unit (Foam) | 4940-01-041-5679 | 1 |
| Cleaner, Ultrasonic | 4940-P3410K41 | 1 |
| Engine Sling (CGB) | 1730-00-465-7028 | 2 |
| Extractor, CGB Output Seal | 5120-00-429-8381 | 1 |
| Hyd Test Stand | 4920-01-004-0033 | 1 |
| Jack | 1730-00-912-3998 | 4 |
| Jack Dolly 4 Ton | 4910-00-516-5806 | 1 |
| Leveling Fixture (MR Hub) | 4920-01-165-9281 | 2 |
| Maintenance Platform (B-4) | 1730-00-294-8884 | 1 |
| Maintenance Platform (C-1) | 1730-00-395-2781 | 3 |
| Plate Assy (T101455) TR Quill | 4920-00-967-7651 | 1 |
| Power Cart | 6130-01-241-8069 | 2 |
| Power Cart Charger | 6130-01-231-6037 | 2 |
| Power Supply (B-9 Rectifier) | 6130-00-063-3916 | 1 |
| Puller Eng | 5120-00-251-9550 | 1 |
| Puller Eng | 5120-00-444-7828 | 1 |

| | | |
|---|---|---|
| Puller Eng | 5120-00-444-7834 | 1 |
| Pump Grease Air | 4930PYA736 | 1 |
| Punching Machine | 3445-00-263-0103 | 1 |
| Sand Blaster | 4940-PYA428 | 1 |
| Sander, Belt | 3220-00-248-0892 | 1 |
| Scale, Aircraft | 6670-01-379-4840 | 1 |
| Seal/Brg (T101407) | 4920-00-793-2134 | 1 |
| Shear Machine | 3445-00-729-4065 | 1 |
| Shrinking and Stretch | 3441-00-528-9062 | 1 |
| Split Tool, Eng Seal | 5120-00-451-3999 | 4 |
| Sprayer Unit (Eng. Wash-Cart) | 1730-00-402-3028 | 1 |
| Support (T401400) MRB | 4920-00-718-6677 | 1 |
| Tab Bender (T101598) | 5120-00-419-7191 | 1 |
| Tab Bending (T101597) Gauge | 5120-00-419-7192 | 1 |
| Test Set | 6625-01-152-6905 | 1 |
| Test Set 972Q4 (ARM/186) | 6625-01-037-5344 | 1 |
| Test Set Radio Freq. | 6625-01-017-4718 | 1 |
| Test Set Tacan (ARM/184) | 6625-01-038-9024 | 1 |
| Test Set, Tacan | 4920-00-621-2427 | 1 |
| Tester 42B13784-1 (Stby Comp) | 4920-00-650-4335 | 1 |
| Tester Pitot | 4920-01-441-9090 | 1 |
| Tester Pressure (Dead Weight) | 6685-00-693-5009 | 1 |
| Trailer, Engine | 1740-01-381-2919 | 2 |
| Wrench (T101306) MI Quill | 4920-00-797-3672 | 1 |
| Wrench (T101307) TR Coupling | 4920-00-718-6533 | 1 |

### 3.2. 40 HF, MALMSTROM AFB, MT

| NOMENCLATURE | STOCK NUMBER | ON HAND |
|---|---|---|
| Adapter 622-1678 | 5826-01-012-4864 | 1 |
| Air Compressor | 4310-01-370-0887 | 1 |
| Alignment Tool | 5120-00-411-5105 | 1 |
| Alignment Tool | 5120-00-451-7170GA | 1 |
| Analyzer Spec | 6625-01-123-1090 | 1 |
| Analyzer/Distortion | 6625-00-871-8012 | 1 |
| Assembly Machine | 3693-00-601-6985YR | 1 |
| Balancer/Analyzer | 4920-01-297-0551 | 1 |
| Bar Bearing re | 4920-00-876-0102 | 1 |
| Battery Charger | 6130-01-231-6037 | 2 |
| Bench Buildup MR hub | 4920-00-678-5431 | 1 |
| Brake 14 Gage | 3441-00-241-8265 | 1 |
| Cable Assy 638- | 6150-01-069-9710BY | 1 |
| Cleaner, Pressure | 4940-00-842-2308 | 1 |
| Cleaner, Pressure | 4940-01-185-6215 | 1 |
| Conn Box | 6625-00-583-6489 | 1 |
| Control Rec c-96 | 5895-01-012-1919 | 1 |
| Drill Machine 220v | 3413-00-554-6424 | 1 |
| Fixture Aircraft | 4920-00-484-1900GA | 1 |
| Fixture Aircraft | 4920-00-757-9748GA | 1 |
| Flaring 2 cp | 3441-00-528-8629 | 1 |
| Flood Light Set | 6230-01-439-3732 | 0 |
| Generator Set | 6115-01-155-2340 | 2 |
| Generator Signal | 6625-01-045-2183 | 1 |
| Heater Duct Type3 | 4520-01-135-2770 | 1 |
| Heater Duct Type3 | 4520-01-310-0691 | 3 |
| Hose Cutoff | 3695-00-012-5866YR | 1 |
| Hyd Test Stand | 4920-01-016-3338 | 1 |
| Hyd Test Stand | 4920-01-056-4390 | 1 |
| Hyd Test Stand | 4920-01-251-0217 | 1 |
| Indicator hor | 6605-00-560-0303 | 1 |
| Indict Remote | 5821-00-621-6469 | 1 |
| Insert and Remove | 5120-01-221-9292GA | 1 |
| Insert Removal | 5120-00-429-8381NQ | 1 |
| Jack Hydraulic | 1730-00-912-3998 | 4 |
| Jack Tester Assy | 4920-00-019-9262 | 1 |
| Kit Rail Swe1385 | 1730-00-465-7028 | 1 |
| Lathe Engine | 3416-00-186-4060 | 1 |
| Meter ts-585d/u | 6625-00-684-5438 | 1 |
| Mill Machine | 3417-01-064-7112 | 1 |
| Multimeter | 6625-00-985-3951 | 1 |

| | | |
|---|---|---|
| Multimeter | 6625-01-221-9367 | 1 |
| Multimeter 8010 | 6625-01-121-6977 | 1 |
| Osocope | 6625-01-275-4766 | 1 |
| Pitot Tester | 4920-01-441-9090 | 1 |
| Plate Assy | 4920-00-967-7651 | 1 |
| Power Supply | 6130-00-332-5600 | 1 |
| Power Supply | 6130-01-104-9429 | 1 |
| Power Supply | 6130-01-222-0475 | 1 |
| Power Supply | 6130-01-237-1621 | 1 |
| Power Supply (Batt Cart) | 6130-01-241-8069 | 2 |
| Protractor | 5210-00-212-8747 | 1 |
| Puller, Machine | 5120-00-251-9550NQ | 1 |
| Puller, Mech | 5120-00-444-7834NQ | 1 |
| Puller, Seal | 5120-00-008-8237NQ | 1 |
| Puller, Seal | 5120-00-444-7828NQ | 1 |
| Punch Machine | 3445-00-223-8374 | 1 |
| R/T | 5821-01-311-5663 | 1 |
| Receiver 622-0507 | 5826-01-012-1938 | 1 |
| Rod Assy 4F52605 | 6625-01-006-1584 | 1 |
| Sander Belt | 3220-00-248-0892 | 1 |
| Saw Band C-121 | 3405-00-836-5792 | 1 |
| Saw Band Metal | 3405-00-222-1324 | 1 |
| Scale Helicopter | 6670 PHJ-5K-4 | 1 |
| Shearing Machine | 3445-00-263-0079 | 1 |
| Shrink 1447 | 3441-00-528-9062 | 1 |
| Sleeve Rotor Hub | 4920-00-708-3089 | 1 |
| Spraying Unit | 1730-00-402-3027 | 1 |
| Support Scissor | 4920-00-786-1756 | 1 |
| Test Assy 66D38 | 4920-00-437-5061DP | 1 |
| Test Set | 6625-00-557-1168 | 1 |
| Test Set | 6625-11-927-8028 | 1 |
| Test Set | 6625-01-102-5756 | 1 |
| Test Set 155600 | 6625-01-152-6705 | 1 |
| Test Set 189104 | 4920-01-214-2410 | 1 |
| Test Set af82-p | 6625-01-294-0975 | 1 |
| Test Set Elect | 6625-01-003-5561 | 1 |
| Test Set Sync | 6625-00-693-5009 | 1 |
| Test Set Tacan | 6625-00-361-5270 | 1 |
| Test Set TTU-27 | 4920-00-621-2427 | 1 |
| Test Set Turbine | 6685-00-308-3862 | 1 |
| Tester Pressure | 6685-00-693-5009 | 1 |
| Tow Bar Aircraft | 1730-00-294-3031 | 1 |
| Tow Bar Heavy | 1730-PHM-7M | 1 |
| Trailer Rail | 1740-00-713-5908 | 2 |
| Trailer, Tank | 2330-01-464-3666YR | 1 |
| Trammel Bar 870 | 4920-01-057-6957GA | 1 |

| | | |
|---|---|---|
| Trans Adapter | 1730-00-465-7027 | 1 |
| Wattmeter | 6625-01-227-4370 | 1 |
| Wrench Assy t10 | 4920-00-718-6533 | 1 |
| Wrench Assy t10 | 4920-00-797-3672 | 1 |

### 3.3. 54 HF, MINOT AFB, ND

| NOMENCLATURE | STOCK NUMBER | ON HAND |
|---|---|---|
| Adapter Xmsn Swe1 | 1730-00-153-2880 | 1 |
| Battery Chgr 14 | 6130-01-231-6037 | 3 |
| Battery Pwr Sup | 6130-01-241-8069 | 3 |
| Bender | 5120-00-419-7191 | 1 |
| Calibrator 00001 | 4920-01-066-0010 | 1 |
| Degreaser MX-17 | 4940-00-529-0451 | 1 |
| Generator | 6115-01-155-2340 | 1 |
| Heater | 4520-01-135-2770 | 2 |
| Heater 14375l | 4520-01-310-0691 | 2 |
| Hyd Jack | 1730-00-554-5436 | 1 |
| Hydraulic Jack | 1730-00-912-3998 | 3 |
| Insert Remover | 5120-00-429-8381 | 1 |
| Inserter 852380 | 5120-01-221-9292 | 1 |
| Jack Hydro Mil J5 | 1730-00-734-9382 | 4 |
| Jack Tester 67A | 4920-00-019-9262 | 1 |
| Kit Acft MA1 | 6670-00-805-6778 | 1 |
| Level Fix 83261 | 4920-01-165-9281 | 2 |
| Maint Pla Pwa 10 | 1730-00-395-2781 | 3 |
| Plate 7hello74 | 4920-00-437-5112 | 1 |
| Protractor Assy | 5210-00-212-8747 | 1 |
| Puller | 5120-00-251-9550 | 1 |
| Puller | 5120-00-444-7828 | 1 |
| Puller Mechanical | 5120-00-444-7834 | 1 |
| Pwr Supply 4856 | 6130-01-222-0475 | 1 |
| Rail Kit | 1730-00-465-7028 | 2 |
| Scale Weighing | 6670-01-379-4840 | 1 |
| Seal Puller | 5120-00-008-8237 | 1 |
| Spraying Unit | 1730-00-402-3028 | 1 |
| Test Equip 8500 | 4920-01-297-0551 | 3 |
| Test Stand, Hyd | 4920-01-004-0033 | 1 |
| Tester Pressure | 6685-00-693-5009 | 1 |
| Tool Install 852 | 5120-01-223-1205T | 1 |
| Tow Bar 601364-1 | 1730-00-294-3031 | 2 |
| Trail Type etu6a | 1740-00-713-5908 | 1 |
| Trail Type etu6a | 1740-01-381-2919 | 1 |
| Trailer Tank | 2330-01-464-3666 | 1 |
| Transmission | 1730-00-465-7027 | 1 |

### 3.4. 76 HF, VANDENBERG AFB, CA

| NOMENCLATURE | STOCK NUMBER | ON HAND |
|---|---|---|
| Adapter | 1730001532880 | 1* |
| Adapter | 1730004657027 | 2* |
| Adapter Plate | 4920004375112GA | 1 |
| Alignment Tool | 5120004115105 | 1 |
| Balance Kit | 4920000217168 | 1 |
| Balancer/Analyzer | 4920012970551 | 2 |
| Balancing Kit | 4920005720987 | 1 |
| Battery Charger | 6130012316037 | 2* |
| Battery Power Cart | 6130012418069 | 2* |
| Bench, Building T10 | 4920006785431 | 1 |
| Bending Gage | 5120004197192 | 1 |
| Brake Machine | 3441002418265 | 1** |
| Bridge, Resistance | 6625007100376 | 1 |
| Charger, Analyzer | 6130006168863 | 1 |
| Cleaner, Pressure | 4940008422308 | 1 |
| Crane, Floor | 3950003911717 | 1* |
| Digit Counter | 6625001488021 | 1 |
| Dolly, Oscilloscope | 6625001202196 | 1 |
| Drilling Machine | 3413001654136 | 1** |
| Fixture, Holding | 4920004841900GA | 1 |
| Gage Set MS25340 | 5220009741943 | 1 |
| Grinding Machine | 3415005417241 | 1** |
| Hoisting Unit | 1730004573709GA | 1 |
| Jack, Hydraulic | 1730005545436 | 3* |
| Jack, Hydraulic | 4910005165808 | 1* |
| Junction Box | 6625005836489 | 1 |
| Kit, Rail Adapter | 1730004657028 | 2* |
| Meter, Power Output | 6625006494646 | 1 |
| Mobile Radio | 5820PD43KA7JA58 | 6 |
| Oscilloscope | 6625012754766 | 1 |
| P/N5T24-25 | 1730P0082884610 | 1 |
| P/N70-1015 | 1730P701015 | 1 |
| P/NES6-100-3 | 1730P0082904610 | 1 |
| P/NKIT NO.3405 | 1730PKIT3405 | 1 |
| Platform, B-1 | 1730003905618 | 1* |
| Platform, B-4 | 1730002948883 | 1* |
| Platform, C-1 | 1730003952781 | 1* |
| Power Source | 6130011049429 | 1 |
| Power Supply | 6130010896467 | 1 |
| Press, Arbor | 3444002238359 | 1** |
| Protractor GS18 | 5220002128747 | 1 |

| | | |
|---|---|---|
| Puller, Breather | 5120002519550NQ | 1 |
| Puller, Fuel Control | 5120004447834NQ | 1 |
| Pusher, Output | 5120004298381NQ | 1 |
| Saw, Band | 3405011040544 | 1** |
| Saw, Band, Metal | 3405010746108 | 1** |
| Scrubbing Machine | 7910P11638B1 | 1 |
| Seal Removal Tool | 5120012219292GA | 1 |
| Shear, Metal Square | 3445002432661 | 1** |
| Signal Generator | 6625010452183 | 1 |
| Signal Generator | 6625011300463 | 1 |
| Sling | 1730004383833GA | 1 |
| Split Tool, Screw | 5120004513999NQ | 2 |
| Spraying Unit, Corrosion | 1730004023027 | 1* |
| Stroboscope | 6680007997616 | 1 |
| Tab Bender | 5120004197191GA | 1 |
| Tensiometer 802 | 6635005266237 | 1 |
| Test Set | 4920011410974 | 1 |
| Test Set 2312G8 | 6695003083862 | 1 |
| Test Set SE TS1771U | 6625007888599 | 1 |
| Test Set TTU23E | 6625005568108 | 1 |
| Test Set, Electronic | 6625010035561 | 1 |
| Test Set, Radar | 6625010785571 | 1 |
| Test Set, Receiver | 6625012707777 | 1 |
| Test Set, Tachometer | 4920012077050 | 1 |
| Test Set, Transponder | 6625009480076 | 1 |
| Test Stand, Hydraulic | 4920003276025 | 1* |
| Tow Bar, Aircraft | 1730009548751 | 2* |
| Trailer, Rail | 1740007135908 | 2* |
| Voltmeter, RF | 6625001133491 | 1 |
| Weighing Kit, Electronic | 6670005228497 | 1 |
| Wrench T101306 | 4920007973672 | 1 |
| Wrench T101307 | 4920007186533 | 1 |
| Wrench, Retaining | 5120001391480NQ | 1 |

* Will be maintained by base aerospace ground equipment (AGE) contractor

** Base AGE contractor needs access to this equipment

### 3.5. 459 AS YOKOTA AB, JA

| NOMENCLATURE | STOCK NUMBER | ON HAND |
|---|---|---|
| 8500C Balance Analyzer | 6625PMODEL8500 | 2 |
| Adapter Plate | 4920-00-437-5112GA | 1 |
| Bench, Building | 4920-00-678-5431 | 1 |
| Calibrator 11/11PS | 4920-01-066-0010 | 2 |
| Charger, Battery | 6130-01-231-6037 | 2 |
| Compressor, 200 PSI | 4310-00-595-3013 | 1 |
| Compressor, UT15EUSA | 4310-01-178-7539 | 1 |
| Disposal | 6730-01-080-7933 | 1 |
| Fixture, Holding | 4920-00-484-1900GA | 1 |
| Fixture, Leveling | 4920-01-165-9281 | 2 |
| Heater Duct, Gas H1 | 1730-00-395-2781 | 2 |
| Kit, Rail Adapter | 1730-00-465-7028 | 2 |
| Meter, Power Output | 6625-00-649-4646 | 4 |
| Plate Assembly | 4920-00-967-7651 | 1 |
| Power Cart | 6130-01-241-8069 | 2 |
| Power Supply | 6130-01-089-6467 | 1 |
| Press, Arbor | 3444-00-223-8359 | 1 |
| Protractor | 5220-00-212-8747 | 1 |
| Puller | 5120-00-251-9550 | 1 |
| Puller | 5120-00-444-7828NQ | 1 |
| Puller | 5120-00-444-7834NQ | 1 |
| Puller, Seal | 5120-00-008-8237 | 1 |
| Pusher, Output | 5120-00-429-8381NQ | 1 |
| Sling | 1730-00-438-3833GA | 1 |
| Split Tool, Screw | 5120-00-451-3999NQ | 2 |
| Sprayer AM32M1 | 1730-00-402-3028 | 1 |
| Tab Bender | 5120-00-419-7191 | 1 |
| Tail Rotor, Bending Gauge | 5120-00-419-7192NQ | 1 |
| Test, Equipment | 4920-01-348-5162 | 1 |
| Tester, Pitot-Static | 4920-00-580-2303 | 1 |
| Tester, Pressure | 6685-00-693-5009 | 1 |
| Trailer, Ground | 1740-01-381-2919 | 1 |
| Trailer, Rail | 1740-00-713-5908 | 1 |
| Viewer, Microfiche | 6730-00-116-1618 | 1 |
| Weighting Kit | 6670-00-805-6778 | 1 |
| Wrench T101306 | 4920-00-797-3672 | 1 |
| Wrench T101307 | 4920-00-718-6533 | 1 |
| Wrench, Scissors | 4920-00-713-5553GA | 1 |
| Wrench, Scissors | 4920-00-713-5555 | 1 |

**PART III**

**CHAPTER 4**

**GOVERNMENT FURNISHED EQUIPMENT**

**NON-CACRL GOVERNMENT OWNED**

## 4. GOVERNMENT FURNISHED EQUIPMENT (NON-CACRL)

The government shall furnish the following non-CACRL equipment and shall replace defective equipment. The quantities of items on this list are varied from site to site as needs dictate. The contractor shall be responsible for the requisition, control, and use of these items. All items will be inventoried and signed for during contract Phase-In period. Annually an inventory will be accomplished and documented on these items. All items will be inventoried at contract completion during Phase-Out. Liability for items not accounted for or damaged beyond fair wear and tear for will be handled IAW Part V, Chapter 2 of the SOW.

### 4.1. GOVERNMENT FURNISHED EQUIPMENT LIST

| ITEM | 37HF | 40HF | 54HF | 76HF | 459AS |
|---|---|---|---|---|---|
| 55 GAL DRUM CRADLE | | X | X | | |
| A FRAME HOIST | | | X | X | |
| BLADE STAND | X | X | X | X | X |
| BOOKCASE | X | X | X | X | |
| CABINET | X | X | X | X | |
| CHAIR | X | X | X | X | |
| COAT RACK | | | X | | X |
| COFFEE MACHINE | X | | X | | X |
| COMPUTER HUTCH | | | X | | X |
| COPY MACHINE | | | X | | |
| COUCH | X | X | | X | X |
| COWLING RACK | X | X | X | X | X |
| CREEPER | | | X | | |
| DESK | X | X | X | X | X |
| DRILL PRESS (NON CACRL) | | | X | | |
| DRIP PAN RACK | X | X | X | X | X |
| DRIVE SHAFT HOLDER | X | X | X | X | X |
| EQUIPMENT RACK | X | X | X | X | |
| FAN | X | X | X | X | |
| FAX MACHINE | | X | X | X | X |
| FILE CABINET | X | X | X | X | X |
| FLAMMABLE LOCKER | X | X | X | X | X |
| FLOOR POLISHER | | | X | | X |
| FLOOR SCRUBBER | X | X | X | X | X |
| HAND CART | X | X | X | X | X |
| HEAT LAMP | | | X | | X |

| ITEM | 37HF | 40HF | 54HF | 76HF | 459AS |
|---|---|---|---|---|---|
| ICE MACHINE | | | | X | |
| LADDER | | | X | | |
| LOCKER | X | X | X | X | X |
| MAIN ROTOR BLADE SUPPORT | X | X | X | X | X |
| MAIN ROTOR HEAD STAND | X | X | X | X | X |
| MAINTENANCE STAND | X | X | X | X | X |
| MICROWAVE OVEN | X | X | X | | X |
| PALLET JACK | X | X | X | X | |
| PAPER SHREDDER | | X | | X | |
| PORTABLE HEATER | | | X | | |
| PORTABLE LIGHTS | X | X | X | | X |
| REFRIGERATOR | X | X | X | X | X |
| SNOW BLOWER | X | X | | | |
| SPILL KIT | X | X | X | X | X |
| SPILL KIT PALLET | X | X | X | X | X |
| STORAGE CABINETS (VIDMAR) | X | X | X | X | X |
| TABLE | X | X | X | X | X |
| TAIL BOOM STAND | | | X | | |
| TELEVISION | X | X | | X | X |
| TYPEWRITER | X | X | X | X | X |
| UTILITY CART | X | X | X | X | X |
| VCR | | | | X | X |
| VISE | | | X | | |
| WATER COOLER | | | | X | |
| WORKBENCH | X | X | X | X | X |

## PART III

## CHAPTER 5

## REFERENCES

### 5. PUBLICATIONS GENERAL INFORMATION.

Dates of Publications listed in Part III, Chapter 6, Applicable Publications, may change frequently: therefore, dates listed are for baseline purposes only. The contractor shall maintain the current dates as required in Part 1.

### 5.1. PUBLICATIONS.

5.1.1. Publications applicable to this SOW are listed by unit in Part III, Chapter 6. Publications are mandatory unless coded as advisory (A). The contractor is obligated to follow those publications coded as mandatory to the extent that is specified in the SOW. The contractor shall be guided by those publications coded advisory to the extent necessary to accomplish requirements in the SOW. All publications shall be provided by the government at the start of the contract. All forms referenced in these publications shall be provided by the government and completed by the contractor as required. It is the responsibility of the contractor to establish follow-on publication requirements through the Organizational Representative (OR). Supplements or amendments to listed publications or successor publications from any organization level may issue during the life of the contract. The contractor shall immediately implement those changes in publications that result in a decrease or no change in the contract price. Prior to implementing any such revision, supplement, or amendment that shall result in an increase in contract price, the contractor shall submit to the Contracting Officer (CO) a price proposal and obtain prior approval of the CO. Said price proposal shall be submitted within 30 calendar days from the date the contractor receives notice of the revision, supplement, or amendments and shall be considered under the “Changes” clause. Failure of the contractor to submit a price proposal within 30 calendar days from the date of receipt of any change shall entitle the government to performance in accordance with such change at no increase in contract price. It is the contractor’s responsibility to ensure that all mandatory publications are posted and up-to-date. Upon completion of the contract, the contractor shall return to the government all issued publications. Contractor shall maintain publications and regulations IAW AFI 37-160 Vol. 7. Contractor shall maintain Technical Orders IAW TO 00-5-1 and 00-5-2.

5.1.2. Regulations, Manuals, AFOSH Standards, and Technical Orders are mandatory unless coded “A”. Dates of Technical Orders are not listed due to the frequency of changes.

5.1.3. The contractor shall be bound to accomplish the tasks set forth in the SOW and the references set forth in the SOW provided that:

5.1.3.1. Should there be a conflict between the SOW and reference set forth therein the SOW shall control.

5.1.3.2. Should there be a conflict between or among two or more such references, mandatory references shall have control over those coded Advisory. Between or among those similarly coded, those issued by a higher authority shall control over those issued by a lower authority. Between or among those issued at the same level of authority, those with the later date of issue shall control over those with earlier dates of issue.

5.1.3.3. Any task set forth in any such reference that shall call for the exercise of non-delegable discretionary government authority (Such CSM options noted in Part I, Chapter 1) shall be subject to the final approval of the unit commander having such authority.

## PART III

## CHAPTER 6

## APPLICABLE PUBLICATIONS

### 6. PUBLICATION LISTS.

Dates of Publications listed below may change frequently: therefore, dates listed are for baseline purposes only.

### 6.1. DEPARTMENT OF DEFENSE INSTRUCTIONS

| NUMBER | NAME | DATE |
|---|---|---|
| DODD 5500-7 | Standards of Conduct | 30 AUG 93 |
| DODI 5000.2 | Operation of the Defense Acquisition System | 23 OCT 00 |

## 6.2. AIR FORCE INSTRUCTIONS

| NUMBER | NAME | DATE |
|---|---|---|
| AFI 10-1101 | Operations Security Instruction | 1 MAY 97 |
| AFI 11-218 | Aircraft Operation and Movement on the Ground | 26 MAY 94 |
| AFI 11-401 | Flight Management | 6 JAN 99 |
| AFI 11-401 | Command Supplement to AFI 11-401 | VARIOUS |
| AFPD 21-3 | Air Force T. O. System | 21 MAY 93 |
| AFI 21-101 | Maintenance Management of Aircraft | 6 OCT 98 |
| AFI 21-103 | Equipment Inventory, Status and Utilization Reporting | 20 JUL 98 |
| AFI 21-104 | Selective Management of Selected Gas Turbine Engines | 1 JUL 98 |
| AFI 21-105 | Aerospace Equipment Structural Maintenance | 1 JUN 99 |
| AFI 21-113 | AF Metrology and Calibration Program | 1 FEB 00 |
| AFCSM 21-500 Series | Core Automated Maintenance System (https://ceds.ssg.gunter.af.mil/manlist.asp?CAMS) | VARIOUS |
| AFI 21-124 | Oil Analysis Program | 1 FEB 96 |
| AFPD 23-3 | Energy Management | 7 SEP 93 |
| AFMAN 23-110 Vol 1 Thru Vol 13 | US Air Force Standard Base Supply Procedures | 1 APR 01 |
| AFI 24-202 | Preservation and Packing | 29 JUN 94 |
| AFJMAN 24-204 | Preparation of Hazardous Materials for Military Air Shipment | 1 MAR 97 |
| AFI 24-301 | Vehicle Operations | 7 DEC 94 |
| AFI 24-306 | Manual for the Wheeled Vehicle Driver | 27 AUG 93 |
| AFJ1 31-101 | Physical Security | 1 DEC 99 |
| AFI 32-1001 | Operations Management | 1 AUG 99 |
| AFI 32-2001 | Fire Protection Operations and Fire Prevention Program | 1 APR 99 |
| AFI 32-7042 | Solid & Hazardous Waste Compliance | 12 MAY 94 |
| AFP 32-7043 | Hazardous Waste Management Guide | 1 NOV 95 |
| AFI 33-202 | Computer Security | 15 FEB 01 |
| AFI 33-204 | Information Protection Security Awareness, Training And Education (SATE) Training | 26 APR 99 |

| NUMBER | NAME | DATE |
|---|---|---|
| AFI 33-303 | Compendium of Communications and Information Terminology | 1 NOV 99 |
| AFI 33-322 | Records Management Program | 1 DEC 98 |
| AFI 33-360 V. 1 | Publications Management Program | 29 DEC 00 |
| AFI 33-360 V. 2 | Forms Management Program | 27 JUN 00 |
| AFMAN 37-123 | Management of Records | 31 AUG 94 |
| AFI 37-138 | Disposition of Air Force Documentation | 31 MAR 94 |
| AFOSHSTD 48-8 | Controlling Exposure to Hazardous Materials | 1 SEP 97 |
| AFOSHSTD 48-19 | Hazardous Noise Exposure | 31 MAR 94 |
| AFOSHSTD 48-21 | Hazardous Communication | UNDER REV |
| AFOSHSTD 48-137 | Respiratory Protection Program | 1 NOV 98 |
| AFOSHSTD 91-2 | Vehicle Mounted Elevating and Rotating Work Platforms, Manually Propelled Mobile Work Platforms and Scaffolds (Towers) | 1 AUG 97 |
| AFOSHSTD 91-12 | Machinery | 1 SEP 98 |
| AFOSHSTD 91-17 | Interior Spray Finishing | 1 SEP 97 |
| AFOSHSTD 91-22 | Walking Surfaces, Guarding Floor and Wall Openings and Holes, Fixed Industrial Stairs and Portable and Fixed Ladders | 1 OCT 97 |
| AFOSHSTD 91-31 | Personal Protective Equipment | 1 OCT 97 |
| AFOSHSTD 91-32 | Emergency Showers and Eyewash | 1 SEP 98 |
| AFOSHSTD 91-38 | Hydrocarbon Fuels, General | 1 SEP 97 |
| AFOSHSTD 91-43 | Flammable and Combustible Liquids | 1 OCT 97 |
| AFOSHSTD 91-45 | Hazardous Energy Control and Mishap Prevention Signs and Tags | 1 NOV 98 |
| AFOSHSTD 91-50 | Communications Cable and Antenna Systems | 1 AUG 98 |
| AFOSHSTD 91-56 | Fire Protection and Prevention | 1 JUL 98 |
| AFOSHSTD 91-66 | General Industrial Operations | 1 OCT 97 |
| AFOSHSTD 91-68 | Chemical Safety | 1 OCT 97 |
| AFOSHSTD 91-100 | Aircraft Flightline Ground Operations and Activities | 1 MAY 98 |
| AFI 91-204 | Safety Investigations and Reports | 29 NOV 99 |
| AFI 91-206 | Participation in a Military or Civil Aircraft Accident Safety Investigation | 26 APR 76 |

| NUMBER | NAME | DATE |
|---|---|---|
| AFI 91-301 | Air Force Occupational and Environmental Safety, Fire Prevention and Health (AFOSH) Standards | 1 JUN 96 |
| AFI 91-302 | Air Force Occupational and Environmental Safety, Fire Protection and Health (AFOSH) Standard | 18 APR 94 |
| AFOSHSTD 161-2 | Industrial Ventilation | 26 AUG 77 |

## 6.3. COMMAND, BASE AND UNIT INSTRUCTIONS

**Air Force Space Command Instructions**

| NUMBER | NAME | DATE |
|---|---|---|
| AFSPCI 21-0103 | AFSPC Equipment Inventory, Status and Utilization | 2 DEC 97 |
| AFSPCI 21-104 | AFSPC Configuration Control Process | 1 AUG 00 |
| AFSPCI 21-105 | AFSPC Corrosion Program | 20 NOV 95 |
| AFSPCI 21-205 | Depot Maintenance Assistance | 1 MAY 01 |

### 6.4. 37TH HELICOPTER FLIGHT

**BASE INSTRUCTIONS**

| NUMBER | NAME | DATE |
|---|---|---|
| 90 SW Plan 32-7-00 | Hazardous Waste Management Plan | 31 MAY 00 |

**FLIGHT INSTRUCTIONS**

| NUMBER | NAME | DATE |
|---|---|---|
| FOI 11-9 | Aircraft Weight and Balance | 11 Nov 99 |
| FOI 21-1 | Aircraft Debrief | 10 May 99 |
| FOI 21-2 | Helicopter Towing | 10 May 99 |
| FOI 21-3 | Foreign Object Damage | 10 May 99 |
| FOI 21-4 | Control and Use of Dash 21 Equipment | 10 May 99 |
| FOI 21-5 | Dropped Object | 10 May 99 |
| FOI 21-6 | Functional Check Flights | 18 Dec 00 |
| FOI 21-7 | Aircraft Impoundment Procedures | 10 May 99 |
| FOI 21-8 | Composite Tool Kit | 10 May 99 |
| FOI 21-9 | Joint Oil Analysis Program | 10 May 99 |
| FOI 21-10 | Aircraft Recovery | 10 May 99 |
| FOI 21-11 | Aircraft Cleaning and Corrosion Control | 10 May 99 |
| FOI 21-12 | Operation of Hangar doors and Overhead Hoist | 10 May 99 |
| FOI 21-13 | Job Control Numbers | 10 May 99 |
| FOI 21-14 | Document Validation | 18 Dec 00 |
| FOI 24-1 | Transportation | 14 Apr 99 |
| FOI 31-1 | Building and Aircraft Security | 22 Jun 99 |
| FOI 31-2 | Information Security Program | 22 Jun 99 |
| FOI 31-3 | Secure Telecommunications Unit (STU) III Guidance | 31 Aug 99 |
| FOI 32-1 | Fire Protection Procedures | 16 Mar 01 |
| FOI 91-1 | Mishap Prevention Procedures | 31 Aug 99 |

### 6.5. 40TH HELICOPTER FLIGHT

BASE INSTRUCTIONS

| NUMBER | NAME | DATE |
|---|---|---|
| MAFB OPPLAN 32-742 | Hazardous Waste Management Plan | 15 OCT 99 |

**FLIGHT INSTRUCTIONS**

| NUMBER | NAME | DATE |
|---|---|---|
| FOI 21-1 | Equipment Maintenance | 4 JAN 01 |

## 6.6. 54TH HELICOPTER FLIGHT

**BASE INSTRUCTIONS**

| NUMBER | NAME | DATE |
|---|---|---|
| 91st SW 32-1021 | Hazardous Waste Management Plan | NO DATE |

**FLIGHT INSTRUCTIONS**

| NUMBER | NAME | DATE |
|---|---|---|
| FOI 10-2 | Cold Weather Procedures | 1 Jun 00 |
| FOI 21-1 | Operational Functional Check Flights | 1 Jan 98 |
| FOI 21-2 | Document Validation | 1 Jan 98 |
| FOI 21-3 | Oil Analysis Program | 1 Jan 98 |
| FOI 21-4 | Hangaring and High Wind Procedures | 1 Jan 98 |
| FOI 21-5 | Foreign Object Damage Prevention | 1 Jan 98 |
| FOI 21-6 | Aircraft Equipment Cleaning and Corrosion Control Program | 1 Jan 98 |
| FOI 21-7 | Job Control Numbers | 1 Jan 98 |
| FOI 21-8 | Aircraft Record Impoundment Procedures | 1 Jan 98 |
| FOI 21-12 | Control and Use of Dash 21 Equipment | 1 Jan 98 |
| FOI 21-13 | Employment of the Composite Tool Kit | 1 Jan 98 |
| FOI 21-14 | Transporting H-1 Helicopters | 1 Jan 98 |
| FOI 21-15 | Dropped Objects | 1 Jan 98 |
| FOI 21-16 | Towing Procedures | 1 Jan 98 |

## 6.7. 76TH HELICOPTER FLIGHT

### BASE INSTRUCTIONS

| NUMBER | NAME | DATE |
|---|---|---|
| 30-SW Plan 32-7043-A | Hazardous Waste Management Plan | 15 NOV 00 |

### FLIGHT INSTRUCTIONS

| NUMBER | NAME | DATE |
|---|---|---|
| FOI 31-104 | Resource Protection | 1 SEP 99 |
| FOI 66-1 | Operation of Hangar Doors | 1 SEP 99 |
| FOI 66-2 | Emergency Aircraft Evacuation, Hangaring, and Severe Weather | 1 SEP 99 |
| FOI 66-3 | Precious Metals Recovery Program | 1 SEP 99 |
| FOI 66-4 | Disabled Aircraft Recovery | 1 SEP 99 |
| FOI 66-5 | Oil Analysis Program | 1 SEP 99 |
| FOI 66-6 | Functional Check Flight and Maintenance Ground Runs | 1 SEP 99 |
| FOI 66-7 | Aircraft Equipment Cleaning and Corrosion Control Program | 1 SEP 99 |
| FOI 66-8 | Debriefing | 1 SEP 99 |
| FOI 66-9 | In-Process Inspection | 1 SEP 99 |
| FOI 66-10 | Foreign Object Damage / Dropped Object Prevention | 1 SEP 99 |
| FOI 66-11 | Job Control Numbers | 1 SEP 99 |
| FOI 66-13 | Document Review | 1 SEP 99 |
| FOI 66-15 | Employment of the Composite Tool Kit Program | 1 SEP 99 |
| FOI 66-16 | Aircraft Record Impoundment Procedures | 1 SEP 99 |
| FOI 66-18 | Alternate Mission Equipment | 1 SEP 99 |
| FOI 66-20 | Vehicle Operations | 1 SEP 99 |
| FOI 76-1 | Fire Fighting Equipment | 1 SEP 99 |
| FOI 92-1 | Fire Protection | 1 SEP 99 |

## 6.8. 459TH AIRLIFT SQUADRON

### 5TH AIR FORCE INSTRUCTIONS

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Motor Vehicle Operations in Japan | 31-201 | 03 Sep 97 | Advisory |
| Employment and Separation of (DOD) Civilian Personnel in Japan | 36-701 | 06 Nov 95 | Advisory |

### UNITED STATES FORCES JAPAN (USFJ) INSTRUCTIONS

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| United States Official Contractors And Their Employees | 170-2 | 01 Aug 85 | Advisory |
| Off Base Aircraft Accidents in Japan | 127-3 | 28 Dec 94 | Advisory |
| Change of Status by Person in Japan To One of the Categories Authorized by the Status of Forces Agreement | PL30-19 | 22 Sep 95 | Advisory |
| United States Official Contractors and Their Employees | PL70-2 | 01 Aug 85 | Advisory |

### MAJCOM INSTRUCTIONS (PACAF)

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Objective Wing Aircraft Maintenance | 21-101 | 16 Mar 01 | Advisory |
| Monthly Maintenance Summary Reporting Procedures | 21-102 | 5 Apr 95 | Advisory |
| Procedure Concerning Consolidated Jet Engine Intermediate Repair | 21-104 | 23 Oct 00 | Advisory |
| Aircraft Flying and Maintenance Scheduling Procedures | 21-108 | 2 Feb 98 | Advisory |

### 374TH AIRLIFT WING GUIDANCE

### 374th AIR WING BASE PUBLICATIONS

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Yokota AB Air Traffic and Airfield Operations | 31-200 | 16 May 01 | Advisory |
| Corrosion Control and Washrack | 21-105 | 03 Sep 97 | Advisory |
| Aircraft Crash Recovery | 21-107 | 01 Oct 99 | Advisory |
| Local Manufacture Procedures | 21-201 | 21 Apr 01 | Advisory |

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Reusable Container Management Responsibilities | 24-201 | 12 Apr 95 | Advisory |
| Control and Monitor Vehicle Traffic on Yokota AB Flightline | 24-301 | 01 Mar 00 | Advisory |
| Vehicle Accident and Abuse Program | 24-302 | 17 Apr 00 | Advisory |
| Official Use of Vehicles and Misuse Reporting | 24-304 | 29 Aug 00 | Advisory |
| Yokota Air Base Physical Security Program | 31-101 | 14 Apr 98 | Advisory |
| Solid Waste Management | 32-7001 | 13 Nov 00 | Advisory |
| Assignment use and disposal of Facilities | 32-9002 | 25 Mar 96 | Advisory |
| Control of Defense Switched Network (DSN) and Commercial Toll Calls | 33-101 | 21 Mar 94 | Advisory |
| Land Mobile Radio Systems | 33-102 | 16 Apr 96 | Advisory |
| Information Protection | 33-201 | 01 Sep 98 | Advisory |
| Ionizing Radiation Protection Program | 40-201 | 16 Sep 96 | Advisory |
| Respiratory Protection Program | 48-101 | 15 Feb 01 | Advisory |
| Written Hazardous Communication Program | 48-106 | 12 Nov 96 | Advisory |
| Prevention of Heat stress injuries | 48-107 | 16 Nov 00 | Advisory |
| Controlling Occupational Exposure to Blood, Body Fluids, and Other Infectious Material | 48-108 | 04 Jan 99 | Advisory |
| Confined Spaces Program | 91-25 | 31 Jan 01 | Advisory |

**374th AW SUPPLEMENTS TO AF PUBLICATIONS**

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| AFMAN Supply Manual Vol. II Part Two | 23-110 | | |
| Due Our/ Release/ Cancellation/ Validation | Ch 12 | 13 Apr 00 | Advisory |
| Turn-in Procedures | Ch 13 | 29 Aug 00 | Advisory |
| Mission Capability (MICAP) and Awaiting Parts (AWP) Procedures | Ch 17 | 19 May 00 | Advisory |

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Equipment Management | Ch 22 | 28 Aug 00 | Advisory |
| Repair Cycle Support | Ch 24 | 19 May 00 | Advisory |
| Benchstock Support | Ch 25 | 29 Mar 00 | Advisory |
| The US Air Force Mishap Prevention Program | 91-202 | 09 May 00 | Advisory |
| Objective Wing Maintenance | 21-101 | 27 Feb 01 | Advisory |
| Motor Vehicle Operations in Japan | 91-201 | 25 Jan 01 | Advisory |

**374th AW PAMPHLETS**

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Guide for Privately Owned Vehicle Owners | Pam 31-3 | 02 Aug 00 | Advisory |

**374TH AW OPERATIONS PLANS**

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Bird Aircraft Strike Hazard (BASH Plan) | 91-202 | 01 Apr 00 | Mandatory |
| Mishap Response Plan | 91-204 | 01 Sep 99 | Mandatory |
| Hazardous Waste Management Plan | N/A | 01 Dec 99 | Mandatory |

**459TH AS MAINTENANCE OPERATING INSTRUCTIONS**

| NAME | NUMBER | DATE | APPLICATION |
|---|---|---|---|
| Impoundment Procedures | 21-1 | | Mandatory |
| Flight Control Maintenance | 21-2 | | Mandatory |
| Function Check Flight Procedures | 21-3 | | Mandatory |
| Foreign Object Damage Prevention | 21-4 | | Mandatory |
| Aircraft Towing | 21-5 | | Mandatory |
| Aircraft Wash | 21-6 | | Mandatory |
| CTK Program | 21-7 | | Mandatory |
| Aircraft Debrief | 21-8 | | Mandatory |
| Document Validation | 21-9 | | Mandatory |
| Hangar Door and Overhead Hoist Operation | 21-10 | | Mandatory |
| Dropped Object Prevention | 21-11 | | Mandatory |

**6.9. TECHNICAL ORDERS**

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 0-1-CD-1 | 1 JAN 01 | T.O. INDEX |
| 00-CD-1 | 1 AUG 00 | METHODS & PROCEDURES TECHNICAL ORDERS (MPTO) |
| 00-5-1 | 1 MAY 95 | T.O. SYSTEM |
| 00-5-2 | 1 OCT 93 | T.O. DISTRIBUTION SYSTEM |
| 00-5-2-102 | 1 SEP 94 | AUTOMATED T.O. MANAGEMENT SYSTEM |
| 00-5-15 | 27 MAR 01 | AIR FORCE TIME COMPLIANCE TECHNICAL ORDER SYSTEM |
| 00-5-17 | 1 OCT 84 | USAF COMPUTER PROGRAM I.D. NUMBERING |
| 00-5-18 | 1 APR 87 | US AIR FORCE T.O. NUMBERING SYSTEM |
| 00-20-1 | 1 MAY 88 | PREVENTIVE MAINTENANCE GENERAL |
| 00-20-2 | 1 AUG 93 | MDC SYSTEM |
| 00-20-3 | 1 SEP 89 | REPARABLE ASSET SYSTEM |
| 00-20-5 | 1 MAY 90 | ACFT FLIGHT REPORTS MDC |
| 00-20-9 | 15 MAY 94 | FORECASTING TIME CHANGE |
| 00-20-14 | 30 JUN 92 | CALIBRATION PROGRAM |
| 00-20F-2 | 20 AUG 90 | MAINTAIN CLASSIFIED STORAGE CONTAINERS |
| 00-25-06-2-1 | 1 APR 83 | 412A SURVIVAL / LIFE SUPPORT SYSTEM EQUIPMENT |
| 00-25-06-2-2 | 1 MAR 85 | SE WORK UNIT CODE |
| 00-25-4 | 15 MAY 88 | DEPOT MAINTENANCE OF AEROSPACE VEHICLES AND TRAINING EQUIPMENT |
| 00-25-107 | 15 SEP 94 | MAINTENANCE ASSISTANCE |
| 00-25-113 | 30 APR 95 | CRITICAL ALLOYS AND PRECIOUS METALS |
| 00-25-113-2835 | 15 JUL 93 | GAS TURBINE ENGINES ALL SERIES |
| 00-25-113-H1 | 1 MAR 76 | CRITICAL ALLOYS AND PRECIOUS METALS PARTS LISTS. HELICOPTERS |
| 00-25-113-T400 | 15 SEP 70 | CRITICAL ALLOYS AND PRECIOUS METALS PARTS LISTS. TURBOPROP AIRCRAFT ENGINES |
| 00-25-172 | 1 FEB 87 | GROUND SERVICING AIRCRAFT GROUNDING |
| 00-25-200 | 1 JAN 89 | USE OF PARTS KIT |
| 00-25-213 | 10 MAR 70 | TRANSPORTATION, STORAGE, TESTING, SHELF LIFE, AND QUANTITY UNIT PACK REQUISITIONING OF DRY BATTERIES |
| 00-25-223 | 1 JUN 91 | PRESSURE SYSTEMS COMPONENTS |
| 00-25-232 | 6 NOV 90 | USE/CONTROL INSULATING MATTING FOR HIGH VOLTAGE |
| 00-25-234 | 1 AUG 88 | GENERAL ELECTRONIC EQUIPMENT |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 00-25-240 | 15 FEB 80 | UNIFORM REPAIR / REPLACEMENT CRITERIA FOR SELECTED USAF SUPPORT EQUIPMENT (SE) |
| 00-25-245 | 26 JAN 71 | OPERATIONS INSTRUCTIONS TESTING AND INSPECTION PROCEDURES FOR PERSONNEL SAFETY AND RESCUE EQUIPMENT |
| 00-25-254-CD-1 | 15 JUN 00 | CONTENT OF CD: CONTAINS TOS 00-25-254-1, 00-25-254-2 -- COMPREHENSIVE ENG MGT SYS, ENG CONFIGURATION STATUS & TCTO RPTG PROC - ALSO COMPREHENSIVE ENG MGT SYS FOR DSD: D042 |
| 00-25-254-1 | 1 OCT 92 | COMPREHENSIVE ENGINE MANAGEMENT |
| 00-25-254-2 | 15 FEB93 | COMPREHENSIVE ENGINE MANAGEMENT |
| 00-25-255-1 | 31 DEC 90 | GENERAL REFERENCE TECHNICAL ORDER FOR ELECTRONIC CABLE ASSEMBLY COMPONENTS |
| 00-25-255-2 | 15 FEB 93 | ELECTRONIC CABLE ASSY COMPONENTS VOL II |
| 00-35A-39 | 15 AUG 92 | INSTRUCTIONS FOR PROCUREMENT, ISSUE, USE AND MAINTENANCE OF MEDICAL KITS |
| 00-35D-54 | 15 JAN 94 | MDR REPORTING SYSTEM |
| 00-75-5 | 1 APR 79 | STOKES RESCUE LITTERS |
| 00-80C-3 | 12 JAN 90 | AERIAL RECOVERY OF AIRCRAFT |
| 00-85-20 | 15 JUN 89 | ENGINE SHIPPING INSTRUCTIONS |
| 00-85A-03-1 | 15 MAY 89 | AIRCRAFT FUEL CELLS |
| 00-85A-23-1 | 22 NOV 76 | PACKAGING, PACKING, AND STORAGE OF ALUMINUM ALLOY SHEET AND PLATE |
| 00-110A-1 | 15 APR 86 | ID/HANDLING RADIOACTIVE CONTAMINATED ACFT AND MATERIALS |
| 00-110N-2 | 1 MAR 91 | RADIOACTIVE WASTE DISPOSAL |
| 00-110N-3 | 15 AUG 86 | REQUISITION, HANDLING, STORAGE AND ID OF RADIOACTIVE MATERIAL |
| 1-1-3 | 30 NOV 94 | INSPECTION OF TANKS / FUEL CELLS |
| 1-1-8 | 1 SEP 89 | COATINGS, SE |
| 1-1-17 | 1 APR 75 | STORAGE OF ACFT |
| 1-1-19 | 15 AUG 86 | INSPECTION/TEST AND REPLACEMENT OF VIBRATION ISOLATORS IN ACFT |
| 1-1-300 | 15 NOV 94 | FCF CHECKS |
| 1-1-312 | 15 MAY 75 | USE OF HIGH PRESSURE AIR AND NITROGEN |
| 1-1-638 | 1 JAN 90 | REPAIR/ DISPOSAL OF AEROSPACE VEHICLES |
| 1-1-641 | 15 OCT 72 | EQUIPMENT REQUIRED FOR OVERWATER, ARCTIC, DESERT TROPIC FLIGHTS |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 1-1-655 | 30 MAY 86 | RESTRICTED USE OF HIGH POTENTIAL VOLTAGE TEST EQUIPMENT ON ACFT CONTAINING FUEL |
| 1-1-689 | 1 APR 92 | AVIONICS CLEANING AND CORROSION PREVENTION/CONTROL |
| 1-1-691 | 1 JAN 92 | CORROSION PREVENTION AND CONTROL |
| 1-1A-1 | 15 JUL 69 | STRUCTURAL REPAIR |
| 1-1A-8 | 1 SEP 80 | STRUCTURAL HARDWARE |
| 1-1A-9 | 30 JAN 93 | AEROSPACE METALS |
| 1-1A-12 | 20 SEP 91 | TRANSPARENT PLASTIC |
| 1-1A-14 | 15 FEB 82 | ACFT ELECTRIC WIRING |
| 1-1A-15 | 30 JUL 76 | GENERAL MAINTENANCE INSTRUCTIONS FOR SE EQUIPMENT |
| 1-1B-50 | 1 MAR83 | BASIC TO FOR US AIR FORCE AIRCRAFT WEIGHT AND BALANCE |
| 1C-1-71 | 1 AUG 00 | LISTING OF CARGO TIE-DOWN EQPT AUTHORIZED FOR ALL SERIES CARGO ACFT |
| 1H-1-23 | 1 APR 98 | SYS PECULIAR CORROSION CONTROL MNL |
| 1H-1-39 | 6 FEB 95 | SHIPMENT OF AIRCRAFT |
| 1H-1(H)H-2-1-1 | 15 FEB 79 | CROSS SERVICING GUIDE MANUAL (BELL TEXTRON) |
| 1H-1(H)H-36 | 15 OCT 74 | NON-DESTRUCTIVE INSP MANUAL |
| 1H-1(U)N-01 | 1 FEB 81 | LOAP H-1N |
| 1H-1(U)N-06 | 1 APR 89 | WORKUNIT CODE MANUAL |
| 1H-1(U)N-1 | 15 OCT 87 | FLIGHT MANUAL H-1N |
| 1H-1(U)N-1CL-1 | 15 JUL 95 | PILOTS FLT CREW CHECKLIST |
| 1H-1(U)N-1CL-2 | 15 JUL 95 | CREW MEMBERS FLT CREW CHECKLIST |
| 1H-1(U)N-2-1 | 1 FEB 90 | ORGANIZATIONAL MAINTENANCE, UH-1N |
| 1H-1(U)N-2-1CL-1 | 1 FEB 90 | HELICOPTER TOWING CHECKLIST |
| 1H-1(U)N-2-1CL-2 | 1 FEB 90 | REFUELING/DEFUELING CHECKLIST |
| 1H-1(U)N-2-1CL-3 | 1 MAY 70 | HELICOPTER JACKING/HOISTING CHECKLIST |
| 1H-1(U)N-2-2 | 22 SEP 83 | ENGINE MAINTENANCE REPAIR |
| 1H-1(U)N-3 | 24 JAN 80 | STRUCTURAL REPAIR H-1N |
| 1H-1(U)N-4 | 1 OCT 82 | IPB H-1N |
| 1H-1(U)N-5 | 1 SEP 73 | WEIGHT CHECKLIST/LOADING DATA |
| 1H-1(U)N-6 | 1 MAR 90 | INSPECTION REQUIREMENTS |
| 1H-1(U)N-6CF-1 | 28 APR 86 | FCF T.O. |
| 1H-1(U)N-6CL-1 | 10 OCT 86 | FCF CHECKLIST |
| 1H-1(U)N-6WC-1 | 1 MAR 90 | PREFLIGHT, THRUFLIGHT, BPO, AND HPO INSPECTION WORKCARDS |
| 1H-1(U)N-6WC-2 | 1 MAR 90 | PHASE WORKCARDS |
| 1H-1(U)N-9 | 15 OCT 71 | CARGO LOADING MANUAL UH-1N |
| 1H-1(U)N-10 | 1 JUN 89 | POWER PACKAGE BUILD-UP |
| 1H-1(U)N-17 | 1 SEP 73 | STORAGE OF AIRCRAFT |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 1H-1(U)N-21 | 21 APR 89 | EQUIPMENT INVENTORY LIST |
| 1H-1(U)N SERIES | | N-MODEL TCTO |
| 2-1-11 | 31 OCT 84 | CORROSION CONTROL OF ENGINE PARTS |
| 2-1-16 | 15 AUG 83 | IDENTIFICATION BY SERIAL # OF ACFT ENGINES |
| 2-1-18 | 1 APR 92 | ACFT ENGINE LIMITS |
| 2J-1-13 | 31 OCT 60 | CLEANING ENGINE |
| 2J-1-18 | 15 FEB 93 | PREPARATION FOR STORAGE/SHIPMENT OF ACFT ENGINES |
| 2J-1-19 | 24 JAN 83 | ENGINES DROPPED DURING HANDLING |
| 2J-1-24 | 1 JUL 66 | GAS TURBINE ENGINE |
| 2J-1-27 | 1 MAR 82 | MIN OVHL OF GAS TURBINE ENGINES |
| 2J-T400 SERIES | | TCTO SERIES |
| 2J-T400-4 | 15 DEC 76 | IPB - TWIN POWER TURBOSHAFT ENGINE, MODEL T400-CP-400 |
| 2J-T400-6-1 | 30 SEP 76 | JET ENGINE INTERMEDIATE MAINTENANCE TWIN POWER SECTION TURBO-SHAFT ENGINE MODELS T 400-CP-400 AND T 400-WV-402 |
| 2J-T400-6-2 | 1 AUG 73 | DEPOT MAINTENANCE T-400 |
| 3R1-2-12-3 | 31 OCT 91 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN MAIN ROTOR BLADE PART NUMBER 204-012-001-25 |
| 3R1-3-4-3 | 6 NOV 69 | OVERHAUL MAIN ROTOR HUB |
| 3R1-3-6-3 | 1 APR 71 | TAIL ROTOR BLADE |
| 3R1-6-4-3 | 1 MAY 71 | OVERHAUL INSTRUCTIONS MAN ROTOR HUB PARTS NUMBER 204-012-101 |
| 3R1-6-4-4 | 29 JUN 87 | ILLUSTRATED PARTS BREAKDOWN MAIN ROTOR HUB ASSEMBLY PART NUMBER 204-012-101 |
| 3R1-8-6-3 | 3 OCT 77 | OVERHAUL INSTRUCTIONS WITH IPB-TAIL ROTOR HUB P/N 212-010-701-3 |
| 3R2-5-2-2 | 22 JAN 69 | SWASHPLATE AND SUPPORT ASSY |
| 3R2-5-2-4 | 28 FEB 91 | IPB SWASHPLATE |
| 3R4-2-7-3 | 15 JUN 71 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN 42° GEARBOX PART NUMBER 212-040-003-7 |
| 3R4-2-8-3 | 15 MAY 91 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN 90° GEARBOX PART NUMBER 212-040-004-5 |
| 3R4-4-7-3 | 15 JAN 70 | OVERHAUL 42° GEAR BOX |
| 3R4-4-7-4 | 1 AUG 69 | IPB GEAR BOX ASSY |
| 3R4-5-3-3 | 15 NOV 70 | OVHL/IPB HYDRAULIC PUMP |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 3R7-2-6-3 | 15 MAR 72 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN TRANSMISSION PART NO. 212-040-011-7, 212-040-001-19, 212-044-001-23, 212-040-001-35, 212-040-001-107, AND 212-040-001-111 |
| 3R10-4-3 | 1 DEC 73 | OVHL/IPB MAGNETIC BRAKE ASSEMBLY |
| 3R10-6-3 | 15 JUN 71 | ROTOR BRAKE ASSY |
| 3R10-7-3 | 1 APR 71 | BOOTSTRAP RESERVOIR ASSY |
| 3R12-3-3 | 1 DEC 73 | OVERHAUL DRIVE SHAFT ENGINE |
| 3R12-4-3 | 30 NOV 93 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN ENGINE TO TRANSMISSION DRIVESHAFT PART NUMBER 212-040-005-3 |
| 3R17-4-3 | 8 SEP 83 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN OIL COOLER BLOWER PART NUMBER A27277 |
| 3R17-5-3 | 15 JAN 72 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN VANE AXIAL FAN ASSEMBLY MODEL 5100TX PART NUMBERS 2660-0520-54, 2660-1655-51 |
| 3R19-2-2 | 23 JUL 80 | MAIN ROTOR MAST ASSY |
| 3R19-2-4 | 1 AUG 69 | IPB MAIN ROTOR MAST |
| 3R20-2-2 | 30 APR 91 | OVERHAUL SCISSORS |
| 3R20-2-4 | 29 FEB 91 | IPB SCISSORS |
| 3R21-2-3 | 30 JUN 92 | TAIL ROTOR DRIVE SHAFT |
| 3R21-3-3 | 20 JUL 94 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN TAIL ROTOR DRIVESHAFT HANGERS PART NUMBER 212-040-600-1, 212-040-600-9 |
| 4T-1-3 | 19 JAN 90 | INSPECTION, MAINTENANCE, AND STORAGE OF ACFT TIRES |
| 4T-1-4 | 19 JAN 90 | APPRECIATION TABLE FOR ACFT TIRES AND TUBES |
| 5-1-1 | 15 JUL 80 | INSPECTION OF INSTRUMENTS |
| 5-1-2 | 15 JUN 90 | MARKINGS, ACFT |
| 5-1-5 | 1 SEP 94 | REFINISH OF INST CASE AND COMPONENT PARTS |
| 5-1-10 | 1 MAR 87 | USE OF CLEANING SOLVENTS FOR INST |
| 5-1-14 | 9 JUL 48 | DETERMINE TRUE FREE AIR TEMP ON ALL THERMOMETERS |
| 5-1-16 | 1 AUG 84 | HERMETICALLY SEALED INST LEAK |
| 5-1-17 | 15 JUN 82 | CORROSION CONTROL/TREATMENT OF ACFT INSTRUMENTS |
| 5E5-3-17-3 | 15 JUL 75 | OVHL TACH GENERATORS |
| 5E5-3-20-3 | 1 APR 78 | OVHL/ IPB TACH GENERATORS |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 5E5-3-20-22 | 1 OCT 66 | CHECKOUT/SERVICE TACH GENERATORS |
| 5E6-2-1-117 | 1 AUG 93 | INTERMEDIATE TEST PROCEDURES FOR TACH INDICATORS |
| 5E6-2-51-3 | 15 AUG 71 | OVHL/IPB TRIPLE TACHOMETER |
| 5E6-2-52-3 | 14 OCT 77 | OVHL/IPB CAUTION INDICATOR |
| 5E6-11-2-3 | 15 MAR 71 | OVHL/IPB DUAL TEMP & PRESSURE INDICATOR |
| 5E6-11-3-3 | 15 MAR 71 | OVHL/IPB DUAL TEMP & PRESSURE INDICATOR |
| 5E6-11-3-13 | 15 MAR 71 | OVHL/IPB AC/DC VOLTAGE INDICATOR |
| 5F3-3-8-3 | 15 FEB 94 | OVHL PRESSURE ALTIMETER |
| 5F3-3-8-4 | 15 JUL 69 | IPB PRESSURE ALTIMETER |
| 5F8-2-1-1 | 15 OCT 58 | CALIBRATE PITOT STATIC INSTALLATION |
| 5F8-2-58-3 | 15 APR 71 | OVHL/IPB AIRSPEED INDICATOR |
| 5F8-3-32-3 | 15 MAY 71 | OVHL/IPB ATTITUDE INDICATOR |
| 5L20-8-3 | 15 MAR 71 | OVHL/IPB DUAL AMPERE INDICATOR |
| 5N1-2-4-1 | 1 NOV 54 | OPERATION/SERVICE SLAVED GYRO AND MAG COMPASS SYSTEMS |
| 5N1-2-6-2 | 15 JAN 73 | MAINT OF GYRO/COMPASS SYSTEMS |
| 5N2-2-2-4 | 1 JAN 62 | IPB GYROSYN COMPASS AMPLIFIER |
| 5N3-3-1-101 | 30 APR 68 | INSTL, COMP, SWINGING OPER AND SVC INSTR--ACFT MAG COMPASSES |
| 5N3-3-7-1 | 1 MAY 69 | OPR AND SER INSTR--MAGNETIC COMPASS CALIBRATION SET |
| 5N3-3-7-3 | 31 OCT 69 | OVHL INSTR--MAGNETIC COMPASS CALIBRATION SET |
| 5N3-3-7-4 | 1 OCT 70 | IPB- MAGNETIC COMPASS CALIBRATION SET |
| 5N11-2-4-3 | 30 MAY 94 | OVHL INSTR--REMOTE COMPASS XMTR |
| 6J3-1-1 | 15 FEB 76 | PREPARATION OF TURBINE ENGINE FUEL ACCESSORIES FOR SHIPMENT |
| 6J3-4-92-3 | 15 AUG 75 | OVHL/IPB MANUAL FUEL CONTROL |
| 6J3-4-93-3 | 15 AUG 75 | OVHL/IPB AUTOMATIC FUEL CONTROL |
| 6J10-3-131-3 | 30 DEC 94 | OVHL/IPB FUEL BOOST PUMP |
| 7J1-1-2 | 31 JUL 99 | CLEANING, TESTING, MINOR REPAIR AND PRESERVATION OF PLATE TYPE OIL COOLERS |
| 7J6-5-9-33 | 1 NOV 69 | OVHL/IPB MOTOR OPERATED GATE VALVE |
| 7J6-5-9-43 | 1 DEC 69 | OVHL/IPB MOTOR OPERATED GATE VALVES |
| 7J15-3-3 | 3 APR 86 | OVHL/IPB TURBINE FAN ASSY |
| 8-1-1 | 1 JUL 94 | ACFT ELEC PROCEDURES |
| 8-1-8 | 14 NOV 69 | USE OF SUSTITUTE TOOLS/TEST EQUIPT TO REPAIR ACFT ELECTRICAL SYSTEMS |
| 8-1-10 | 1 MAR 90 | CLEANING ALL A/C GENERATORS |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 8C7-4-16-3 | 1 DEC 67 | OVHL GENERATOR ASSY |
| 8C7-4-16-4 | 20 APR 92 | IPB GENERATOR ASSY |
| 8D1-13-45-3 | 1 DEC 70 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN LINEAR ELECTROMECHANICAL ACTUATOR PART NUMBER SYLC9868 |
| 8D1-13-46-3 | 1 JUN 71 | OVERHAUL INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN LINEAR ACTUATOR PART NUMBER DL1326M164 |
| 8D2-1-31 | 31 JAN 49 | MAINTAIN AIRCRAFT BATTERY |
| 8D2-3-1 | 30 SEP 85 | AIRCRAFT BATTERIES |
| 8D2-3-4 | 1 SEP 73 | IPB AIRCRAFT BATTERIES |
| 8D3-8-17-13 | 15 APR 72 | OVHL INSTR WITH IPB -- ACFT NAV ROTATING WARNING LT, PN G8400-8-24, -23-24, -24-24, G8400A-24-24 (MS25277-1), 40-0110-1 (MS25277-1) 40-0110-9 (MS25277-2) (GRIMES) |
| 8D10-2-25-3 | 1 APR 71 | OVHL/IPB LANDING LIGHT |
| 8D10-14-2-3 | 1 APR 71 | OVHL/IPB SEARCH AND LANDING LIGHT |
| 8D11-3-49-3 | 15 MAY 81 | DEPOT MAINT ANTI-COLLISION LIGHT POWER SUPPLY |
| 8D13-3-5-3 | 15 MAY 71 | OVERHAUL STARTER GENERATOR |
| 8D15-12-2-3 | 1 DEC 70 | MAINT/OVHL RPM LIMIT DETECTOR |
| 8R1-3-2-94 | 1 NOV 61 | IPB REVERSE CURRENT RELAY |
| 8R3-40-4 | 1 DEC 60 | IPB SOLENOID RELAY |
| 9-1-1 | 14 NOV 69 | SUBSTITUTE TOOLS/TEST EQUIP TO REPAIR HYDRAULIC SYSTEM |
| 9H2-4-204-2 | 26 NOV 68 | GENERAL SUPPORT MAINTENANCE MANUAL SERVO CYLINDER HYD |
| 9H2-4-204-4 | 15 MAY 70 | IPB-POWER CYLINDER ASSY |
| 9H2-4-211-3 | 1 SEP 77 | MAINTENANCE AND OVERHAUL INSTRUCTIONS SERVO ACTUATOR PART NUMBER 212-076-004-3, 212-076-005-7 |
| 9H5-3-58-3 | 15 NOV 72 | BOOTSTRAP RESERVOIR ASSY |
| 9H8-10-2-13 | 1 SEP 67 | OVHL SELF SEALING COUPLING |
| 9H8-30-107-3 | 1 DEC 70 | MAINT AND OVHL INSTR--HYD VALVE AND FILTER ASSY |
| 9H13-15-3 | 21 JUN 79 | OVHL/IPB HYDRAULIC DAMPENER |
| 9P5-14-45-3 | 15 JAN 71 | OVHL/IPB MIXING VALVE ASSY |
| 11A-1-1 | 8 FEB 95 | CONVENTIONAL MUNITIONS |
| 11A-1-10 | 27 JUL 00 | GENL INSTR -- MUN SERVICEABILITY PROC |
| 11A-1-33 | 10 JUN 92 | EXPLOSIVES LOADED AIRCRAFT |
| 11A10-24-7 | 5 FEB 99 | STOR AND MAINT PROC - ACFT PARACHUTE FLARES M8A1 |
| 11A10-25-7 | 15 JUL 99 | WK PKG -- SPECIALIZED STOR AND MAINT PROC - PYRO MARKERS |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 11A10-26-7 | 4 AUG 88 | STORAGE/MAINT OF PYROTECHNIC SIGNALS |
| 11A18-10-7 | NO DATE | STORAGE AND MAINTENANCE PROCEDURES CUTTER IMPULSE CARTRIDGES |
| 11A18-14-7 | 1 AUG 89 | STORAGE AND MAINTENANCE PROCEDURES FIRE EXTINGUISHER CARTRIDGE |
| 11C15-1-3 | 19 APR 82 | CHEMICAL WARFARE DECONTAMINATION AND DISPOSAL |
| 11H5-17-11 | 30 OCT 70 | INDICATOR WITH COMBUSTIBLE OR TOXIC GASES |
| 11H5-20-1 | 30 JUL 71 | OPERATION/SERVICE INST--CALIBRATOR |
| 12P422APX-142 | 22 JUL 84 | ORG, FIELD, INTERMEDIATE DS, GS, DEPOT MAINT WITH IPB -- CONTROL, TRANSPONDER SET, TYPE C-6280(P)/APX, C-6280A(P)/APX C-6717/APX, C-7483/APX (ADMIRAL) |
| 12P4-2APX72-2 | 1 DEC 77 | OVHL RADIO RECEIVER TRANSMITTER |
| 12P4-2APX72-2CL-1 | 5 MAY 89 | PERFORMANCE STANDARDS RADIO RECEIVER TRANSMITTER |
| 12P4-2APX72-4 | 15 NOV 77 | IPB RADIO RECEIVER TRANSMITTER |
| 12R1-2ARA50-2 | 1 JAN 65 | MAINT DIRECTIONAL FINDER |
| 12R1-2ARA50-4 | 1 FEB 71 | IPB DIRECTIONAL FINDER |
| 12R2-2ARC-292 | 23 JUL 68 | MAINTAIN COMMUNICATION SYSTEM |
| 12R2-2ARC-302 | 21 NOV 68 | MAINTAIN COMMUNICATION SYSTEM |
| 12R2-2ARC164-2 | 15 NOV 88 | MAINT RADIO SET |
| 12R2-2ARC164-4 | 15FEB 89 | IPB RADIO SET |
| 12R2-2ARC164-32 | 15 FEB 89 | MAINTAIN RECEIVER/TRANSMITTER |
| 12R2-2ARC164-34 | 1 APR 89 | IPB RECEIVER/TRANSMITTER |
| 12R2-2ARC164-34-1 | 1 DEC 89 | IPB SUP MNL -- HAVE QUICK II, AN/ARC-164(V) RAPID SETS, CNTLS C-11718/19/21, -11815, -12046 AND RADIO RECEIVER-TRANSMITTERS RT-1505A, -1518C (MAGNAVOX) |
| 12R2-2ARC164-91 | 1 APR 89 | OPERATE HAVE QUICK II |
| 12R2-2ARC164-92 | 1 OCT 89 | MAINTAIN HAVE QUICK II |
| 12R2-2ARC186-2 | 15 JUL 92 | MAINT VHF RADIO SET |
| 12R2-2ARC186-3 | 15 JUL 92 | OVHL VHF RADIO SET |
| 12R2-2ARC186-4 | 1 JUN 91 | IPB VHF RADIO SET |
| 12R5-2ARN-193 | 15 MAR 55 | OVHL COURSE INDICATOR |
| 12R5-2ARN118-12 | 1 MAR 89 | MAINT TACAN NAV SET |
| 12R5-2ARN147-2 | 1 FEB 87 | MAINTAIN RADIO RECEIVER |
| 12R5-2ARN147-3 | 1 SEP 88 | OVHL RADIO RECEIVER |
| 12R5-2ARN147-4 | 1 FEB 87 | IPB RADIO RECEIVER |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 12R5-2ASN175-1 | NO DATE | OPR & UNIT AVIATION MAINT MNL (INCL REPAIR PARTS AND SPECIAL TOOLS LIST) NAVIGATION SET, SATELLITE SIGNALS AN/ASN-175 |
| 12S10-2AVS9-1 | 21 FEB 97 | OPR AND ORG MAINT MNL -- IMAGE INTENSIFIER SET, NIGHT VISION TYPE AN/AVS-9(V) |
| 12S10-2AVS9-2 | 31 JAN 01 | MAINTENANCE MANUAL -- INTERMEDIATE WITH IPB, IMAGE INTENSIFIER SET, NIGHT VISION, TYPE AN/AVS-9(V) |
| 13A1-1-1 | 1 AUG 71 | SAFETY BELTS, ACFT |
| 13A4-20-3 | 12 OCT 72 | SHOULDER HARNESS REEL ASSY |
| 13C1-29-2 | 16 APR 70 | GS MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOL LISTS INTERNAL RESCUE HOIST ASSEMBLY |
| 13C1-29-4 | 15 DEC 69 | ILLUSTRATED PARTS BREAKDOWN INTERNAL RESCUE HOIST KIT PART NO. 205-706-030-9 |
| 13C1-29-13 | 15 JAN 75 | DEPOT MAINTENANCE INSTRUCTIONS RESCUE HOIST SYSTEM PORTABLE RESCUE HOIST ASSEMBLY P/N BL8300-35M, P/N BL8300-32, MOTOR MODEL M-12194, CONTROL BOX ASSEMBLY P/N BL8420-13M, P/N BL7420-11, PENDANT ASSEMBLY P/N BL7430 BOOMHEAD AND TRACTION SHEAVE ASSEMBLY P/N BL13800-2, BL13800-1, PRESSURE ROLLER ASSEMBLY P/N BL13801, HOCK ASSEMBLY P/N BL7370-1, P/N BL8230 |
| 13C1-29-14 | 15 JAN 75 | ILLUSTRATED PARTS BREAKDOWN RESCUE HOIST SYSTEM |
| 13C1-33-3 | 15 APR 90 | OVHL/IPB CONTROL PENDANT GRIP |
| 13C2-1-1 | 31 MAR 95 | CLEAN/REPAIR/TEST CARGO TIEDOWN EQUIP |
| 13C9-6-3 | 1 FEB 82 | OVHL/IPB CARGO RELEASE ASSY |
| 13D3-3-2 | NO DATE | INTMD MAINT INSTR WITH IPB -- RESCUE HOIST, HIGH PERFORMANCE, PN 42305R1 |
| 13F1-4-4 | 1 JUL 58 | IPB FIRE DETECTOR RELAY PANEL |
| 13F3-1-103 | 27 OCT 67 | OVERHAUL AIRBORNE LIQUID AGENT FIRE EXTINGUISHING EQUIPMENT |
| 13F3-1-104 | 1 JUL 71 | ILLUSTRATED PARTS BREAKDOWN AIRBORNE LIQUID AGENT FIRE EXTINGUISHING EQUIPMENT |
| 13F4-4-62 | 4 APR 62 | OVHL/IPB FIRE EXTINGUISHER |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 13F4-4-131 | 15 OCT 89 | OPERATIONS, SERVICE, AND MAINTENANCE WITH ILLUSTRATED PARTS BREAKDOWN FIRE EXTINGUISHER, PORTABLE, AIRCRAFT LIQUIFIED GAS, 5 LB CAPACITY |
| 13F6-12-3 | 21 FEB 69 | OVERHAUL WITH PARTS BREAKDOWN AIRCRAFT FIRE EXTINGUISHER AND DISCHARGE INDICATOR |
| 14P3-1-112 | 15 OCT 72 | MAINT INSTR -- NOMEX FLT GR COVERALLS, TYPES CWU-27/P AND CWU-28/P AND GLOVES, TYPE GS/FRP-2, JACKET, FLYERS SUMMER TYPE CWU-36/P, JACKET, FLYERS WINTER TYPE CWU-45/P, HOOD, WINTER, FLYERS (CWU-17/P JACKET), TROUSERS, FLYERS, EXTREME COLD WEATHER, CWU-18/P |
| 14P3-4-181 | 28 FEB 95 | OPN AND MAINT INSTR W/IPB -- SPH-4AF HELMET-- HELMET. REGULAR -- PN 92D8392-1 -- HELMET, X-LGE -- PN 92D8392-2 -- RETENTION ASSY KIT PN 90A7646-2 -- (GENTEX CORP) |
| 14S-1-131 | 31 DEC 98 | OPN AND MAINT INSTR -- SURVIVAL VEST ASSY - CONSISTING OF SRU-21/P, AIR ACE, SARVIP AND LOAD BEARING VEST -- (PREP BY 311HSW/YACM) |
| 14S1-3-51 | 30 NOV 98 | OPN & MAINT INSTR FOR SURVIVAL KIT COMPONENTS & CONTAINER ASSY |
| 14S3-1-3 | 30 JUN 00 | TYPES AND NO. OF INDIVIDUAL SURVIVAL KIT CONTAINERS AND LIFE RAFTS TO BE USED IN VARIOUS TYPE AIRCRAFT |
| 14S6-3-1 | 15 JUL 70 | OPERATION AND MAINTENANCE WITH PARTS LIST FOREST PENETRATOR, RESCUE SEAT ASSEMBLY P/N K26-1000-5, AND K26-1000-9 |
| 14S10-2-2 | 31 AUG 00 | OPN AND SVCE -- DISTRESS MARKER LIGHT -- PN ACR/MS-2000M AND PN SDU-5/E -- (ATOS) |
| 15H5-2-72-3 | 1 AUG 71 | O/H INSTR WITH IPB -- INLINE VALVE, P/N 209-072-433-1 (VAPOR) |
| 15X-1-1 | 15 SEP 99 | MAINT INSTR -- OXYGEN EQPT -- (HEBCO, INC.) |
| 16W7-18-3 | 15 APR 72 | OVHL/IPB MASTER CAUTION PANEL |
| 16W12-7-3 | 29 APR 91 | STAB BAR ASSY |
| 31-1-75 | 31 OCT 56 | GENERAL MAINTENANCE PRACTICES |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 31R2-1-251 | 15 JUL 80 | GENERAL INSTR -- TRANSMISSION OF FALSE DISTRESS SIGNALS ON EMERGENCY FREQUENCIES |
| 31R2-2PR-101 | 30 JAN 70 | MAINT RADIO SET AN/PRC 90 |
| 31R2-2PR-104 | 30 NOV 72 | IPB RADIO SET AN/PRC 90 |
| 31R2-2PRC90-2 | 31 JAN 86 | ITERMEDIATE MAINT RADIO SET AN/PRC 90 |
| 32-1-2 | 1 MAY 61 | USE OF HAND TOOLS |
| 32-1-101 | 12 DEC 83 | CARE OF HAND TOOLS |
| 32-1-151 | 26 MAY 41 | HAND, MEASURING AND POWER TOOLS |
| 32-1-201 | 1 JUL 61 | CARE OF MEASURING TOOLS |
| 32A1-11-1 | 1 NOV 66 | OPERATE/MAINT BALANCING KIT |
| 32A16-3-1 | 1 AUG 61 | MAINT/IPB CABLE SWAGING MACHINE |
| 32A20-3-80-1 | 1 MAR 86 | MAINT/IPB TIRE INFLATOR KIT |
| 32A25-1-101 | 30 AUG 84 | MAINT VIBREX SYSTEM |
| 32A25-1-104 | 30 AUG 84 | IPB VIBREX SYSTEM |
| 32A25-1-111 | 15 NOV 78 | MAINT VIBREX SYSTEM |
| 32A25-1-114 | 15 NOV 78 | IPB VIBREX SYSTEM |
| 32B14-3-1-101 | 10 MAY 93 | USE OF TORQUE TOOLS |
| 32B14-3-2-3 | 5 MAY 66 | OVHL TORQUE WRENCHES |
| 32B14-3-2-13 | 5 MAY 66 | OVHL TORQUE WRENCHES |
| 32B14-3-4-3 | 8 NOV 60 | OVHL ADJUSTABLE TORQUE WRENCHES |
| 32B14-3-4-4 | 20 JAN 84 | IPB ADJUSTABLE TORQUE WRENCHES |
| 33-1-5 | 1 NOV 82 | REMOVAL OF BATTERIES FROM TEST EQUIP IN STORAGE AND/OR SHIPMENT |
| 33-1-21 | 18 JUN 68 | ELECTRICAL MEASURING METERS |
| 33-1-27 | 1 OCT 94 | PRECISION MEASUREMENT EQUIPMENT |
| 33-1-32 | 15 APR 84 | INPUT POWER WIRING OF ELECTRIC SE |
| 33-1-37-1 | 1 SEP 90 | JOINT OIL ANALYSIS PROGRAM |
| 33-1-37-2 | 1 JUN 89 | JOINT OIL ANALYSIS PROGRAM |
| 33-1-37-3 | 1 SEP 90 | JOINT OIL ANALYSIS PROGRAM |
| 33-1-37-4 | 1 SEP 87 | JOINT OIL ANALYSIS PROGRAM |
| 33-1-37-CD-1 | 4 JUL 00 | THIS CD-ROM CONTAINS THE FOLLOWING TO~39~S: 33-1-37-1, -2, -3, -4 -- JOINT OIL ANALYSIS PROGRAM |
| 33A1-3-426-21-1 | 23 JUN 72 | MAINT RADAR TEST SET AN/UPM-137 |
| 33A1-3-426-21-2 | 23 JUN 72 | MAINT RADAR TEST SET AN/UPM-137 |
| 33A1-3-504-1 | 15 AUG 82 | OPR AND MAINT INSTR--RAMP TEST SET AND BATTERY CHARGER |
| 33A1-4-73-1 | 15 MAY 80 | INSTR WITH PL-TIME DOMAIN REFLECTOMETER |
| 33A1-5-317-11 | 24 SEP 69 | MAINTAIN RADIO POWER TEST SET |
| 33A1-7-23-1 | 19 JAN 83 | OPR AND MAINT INSTR--POWER METER TYPE TS-305A/UP |
| 33A1-7-23-4 | 16 JAN 78 | P/C--POWER METER TYPE TS-305A/UP |
| 33A1-7-195-31 | 30 OCT 82 | MAINTAIN REGULATED DC POWER SUPPLY |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 33A1-7-268-1 | 20 SEP 78 | INSTRUCTION FOR RF WATT METER |
| 33A1-7-322-1 | 1 JAN 90 | OPERATE/MAINTAIN MULTIPURPOSE THRULINE WATT METER |
| 33A1-8-448-31 | 1 FEB 68 | INSTRUCTION FOR WIDE RANGE OSCILLATOR |
| 33A1-8-760-11 | 15 JAN 81 | OPR AND SVCE MANUAL--SIGNAL GENERATOR, MODEL 86408 |
| 33A1-8-760-31 | 30 SEP 80 | MAINT SIGNAL GENERATOR |
| 33A1-8-1061-1 | 1 FEB 89 | OPR AND SVCE MANUAL--SIGNAL GENERATOR, MODEL SMG.43RF |
| 33A1-8-1066-1 | NO DATE | OPERATE/MAINTAIN SWEEP/FUNCTION GENERATOR |
| 33A1-10-185-1 | 1 MAY 73 | MAINT COUNTER TIMER |
| 33A1-11-9-3 | 1 OCT 64 | IPB ENGINE VIB METER |
| 33A1-11-19-3 | 1 MAR 69 | OVHL VELOCITY VIBRATION TRANSDUCER |
| 33A1-11-19-4 | 30 SEP 83 | IPB VELOCITY VIBRATION TRANSDUCER |
| 33A1-12-2-1 | 15 MAR 68 | OPERATION MULTIMETER |
| 33A1-12-2-2 | 4 DEC 64 | MAINT MULTIMETER |
| 33A1-12-15-1 | 17 OCT 57 | TEST SET, RESISTANCE BRIDGE |
| 33A1-12-15-21 | 8 DEC 50 | INSTR BOOK -- RESISTANCE BRIDGE ZM-4/U (LEEDS AND NORTHRUP) |
| 33A1-12-15-24 | 30 JUN 59 | MAINT RESISTANCE BRIDGE |
| 33A1-12-15-34 | 14 JUL 59 | REPAIR/SPECIAL TOOLS RESISTANCE BRIDGE |
| 33A1-12-216-1 | 15 AUG 60 | OPERATE/MAINTAIN MILLIMETER |
| 33A1-12-216-4 | 15 AUG 60 | IPB MILLIMETER |
| 33A1-12-216-61 | 15 APR 83 | USE OF MILLIAMMETERS |
| 33A1-12-607-1 | 1 MAY 77 | INSTR MANUAL--THRULINE RF DIRECTIONAL WATTMETER, MODEL 43 |
| 33A1-12-607-4 | 1 NOV 72 | IPB--THRULINE RF DIRECTIONAL WATTMETER, MODEL 43 |
| 33A1-12-623-1 | 15 APR 70 | MAINT MULTIMETERS |
| 33A1-12-1177-1 | 7 JAN 83 | INSTR MANUAL--DIGITAL MULTIMETER, PN 8010M |
| 33A1-12-1215-1 | 15 JAN 94 | OPERATE/MAINTAIN DIGITAL MULTIMETER |
| 33A1-12-1292-1 | 10 JAN 84 | OPR AND SVCE MANUAL--MULTIMETER, DIGITAL AN/PSM-45 |
| 33A1-13-496-1 | 15 MAR 77 | MAINT/IPB OSCILLOSCOPE |
| 33A1-13-591-2 | 1 JUL 88 | MAINTAIN PORTABLE OSCILLOSCOPE |
| 33A2-2-1-166WC-1 | 1 MAY 95 | INSPECTION OF PORTABLE ELECTRIC HYDRAULIC TEST STANDS |
| 33A2-2-21-21 | 1 MAR 77 | PORTABLE HYD TEST STAND |
| 33A2-2-23-31 | 1 NOV 75 | OPERATE/MAINTAIN PORTABLE HYDRAULIC TEST STAND |
| 33A2-2-30-41 | 1 NOV 75 | MAINT HYDRAULIC TEST STAND |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 33A2-2-30-43 | 1 NOV 75 | OVHL HYDRAULIC TEST STAND |
| 33A2-2-30-44 | 1 NOV 75 | IPB HYDRAULIC TEST STAND |
| 33A2-2-63-1 | 1 JUN 89 | OPERATED/MAINTAIN PORTABLE HYDRAULIC TEST STAND |
| 33A2-2-63-3 | 1 AUG 90 | OVERHAUL PORTABLE HYDRAULIC TEST STAND |
| 33A2-2-63-4 | 1 JUN 90 | IPB PORTABLE HYDRAULIC TEST STAND |
| 33A3-3-3-21 | 15 NOV 59 | USE/MAINT CABLE TENSIOMETERS |
| 33A3-3-3-24 | 10 MAR 67 | CABLE TENSIOMETER IPB |
| 33A3-3-3-31 | 15 SEP 81 | OPR INST CABLE TENSIOMETER |
| 33A3-4-40-1 | 15 JAN 79 | OPS AND SERVICE INSTR JACK TESTER MODEL 8556 |
| 33A6-4-6-1 | 30 NOV 91 | TECHNICAL MANUAL OPERATION, SERVICE AND REPAIR PORTABLE HYDRAULIC PRESSURE GAGE TESTER USAF TYPE MP-1 |
| 33A6-4-6-4 | 1 NOV 60 | ILLUSTRATED PARTS BREAKDOWN PORTABLE HYDRAULIC PRESSURE GAGE TESTER USAF TYPE MP-1 |
| 33A8-4-6-1 | 28 JAN 92 | USE/MAINT CABLE TERMINAL PULL TESTER |
| 33B-1-1 | 1 MAR 90 | NON-DESTRUCTIVE INSPECTION |
| 33B4-10-5-1 | NO DATE | OPER & SET UP INSTR -- NIGHT VISION DEVICE OPTICAL ALIGNMENT SYS, MODELS ANV-20/20 & ANV-20/20C (HOFFMAN ENGINEER) |
| 33D2-3-86-1 | 15 DEC 76 | OPN AND MAINT INSTR W/PL -- FUEL QUANTITY TEST SET |
| 33D2-6-9-1 | 26 AUG 63 | USE/MAINT PITOT STATIC TESTER |
| 33D2-6-102-1 | 30 DEC 60 | OPR AND SVCE INSTR-TACHOMETER INDICATOR-GENERATOR TEST SET |
| 33D2-6-102-4 | 30 DEC 60 | IPB--TACHOMETER INDICATOR-GENERATOR TEST SET |
| 33D2-6-105-1 | 15 JUL 65 | OPR AND SVC INSTR--SYNCHRO INSTRUMENT FIELD |
| 33D2-6-105-4 | 25 OCT 60 | IPB--SYNCHRO INSTRUMENT FIELD |
| 33D2-8-20-1 | 10 APR 57 | USE/MAINT MAGNETIC DETECTOR SIMULATOR |
| 33D2-8-20-4 | 30 APR 57 | IPB MAGNETIC DETECTOR SIMULATOR |
| 33D2-8-356-1 | 15 JUL 77 | OPR AND MAINT INSTR--TACTICAL AIR NAVIGATIONAL TEST SET |
| 33D2-8-356-4 | 1 JUL 77 | IPB- TACTICAL AIR NAVIGATIONAL TEST SET |
| 33D2-8-375-1 | 1 APR 80 | OPR AND MAINT INSTR--ORG/INTMD, NAV SET TEST TACAN AN/ARM-18A |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 33D2-8-375-4 | 1 APR 80 | IPB--ORB/INTMD, NAV SET TEST TACAN AN/ARM-18A |
| 33D2-8-383-1 | 15 APR 82 | INSTR MANUAL--TACAN TEST SET |
| 33D2-34-18-1 | 14 MAR 90 | OPN AND MAINT INSTR W/IPB--TESTER SEAT BELT |
| 33D4-6-555-1 | 15 SEP 76 | OPN AND MAINT INSTR--JETCAL ANALYZER TRIMMER |
| 33D4-6-555-4 | 15 SEP 76 | IPB----JETCAL ANALYZER TRIMMER |
| 33D4-6-725-1 | 31 OCT 92 | OPN AND MAINT INSTR W/IPB--JETCAL ANALYZER |
| 33D7-3-60-71 | 1 JUL 86 | OPR AND MAINT INSTR--PRESSURE TEMPERATURE TEST SET |
| 33D7-3-60-73 | 1 SEP 85 | OVHL INSTR--PRESSURE TEMPERATURE TEST SET |
| 33D7-3-60-74 | 1 SEP 85 | IPB--PRESSURE TEMPERATURE TEST SET |
| 33D7-6-118-1 | 18 JUN 71 | OPR AND SVCE INSTR--DC POWER SUPPLY, LVR SERIES |
| 33D7-29-52-1 | 17 NOV 83 | USE/MAINT TRANSPONDER TEST SET |
| 33D7-50-159-1 | 30 MAY 76 | OPR AND MAINT INSTR W/IPB--RADIO TEST SET, TYPE AN/ARM-173 |
| 33D7-50-159-1-2 | 30 DEC 80 | OPR AND MAINT INSTR W/IPB--RADIO TEST SET |
| 33D7-71-42-1 | 1 APR 83 | USE/MAINT RADIO TEST SET |
| 33DA103-27-1 | 1 JUL 80 | OPN AND MAINT INSTR W/IPB--CABLE SET |
| 33DA123-12-1 | 10 MAY 84 | OPN AND MAINT INSTR W/IPB--KIT--TEST INTERFACE |
| 33DA123-13-1 | 28 FEB 83 | OPR AND MAINT INSTR W/IPB--TRANSPONDER TEST SET AN/ARM-242 |
| 33K-1-100-CD-1 | 30 APR 01 | |
| 34-1-3 | 30 JUL 93 | MACHINERY AND SHOP EQUIPMENT |
| 34-1-10 | 2 FEB 59 | FUNDAMENTALS OF MACHINERY |
| 34C2-3-1-104 | 9 AUG 50 | P/C--RADIAL DRILL PRESS |
| 34C2-4-18-31 | 9 JUN 67 | OPR, MAINT INSTR W/IPB--TOOL ROOM LATHE, 16 IN, MODEL 1610 |
| 34C2-5-1-147 | NO DATE | INSTL, OPR AND MAINT INSTR--MILLING MACHINE VERTICAL |
| 34C2-7-5-1 | 30 NOV 61 | OPR AND SVCE INSTR--RAM TYPE MILLING MACHINE, MODEL 22L, 22M |
| 34C2-7-15-1 | NOT DATED | MAINT PRESS/TURRENT PUNCH |
| 34C2-8-6-44 | 9 NOV 50 | P/C--CONTOUR METAL SAWING, FILLING AND POLISHING MACHINE |
| 34C2-8-6-54 | 10 MAY 54 | ORG, FIELD AND DEPOT MAINT--SAW BAND, METAL CUTTING VERTICAL |
| 34C2-8-6-62 | 2 JUL 54 | OPR AND MAINT INSTR--BAND SAW, MACHINE, METAL CUTTING VERT |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 34C2-8-27-1 | 9 JUN 67 | MAINT BAND SAW |
| 34C2-8-36-1 | 6 OCT 67 | 36” BAND SAW MACHINE |
| 34C2-8-78-1 | 2 AUG 83 | OPR, MAINT INSTR/W IPB--BAND SAW, HORIZONTAL, MODEL H3525 |
| 34C2-10-3-1 | 15 FEB 61 | CAP FOOT SQUARING-SHEAR |
| 34C2-10-12-1 | 20 MAR 58 | INSTR W/IPB--POWER SQUARING SHEAR, MODEL 1372 |
| 34C2-10-13-1 | 15 AUG 57 | LEVER SHEAR HAND OPERATED |
| 34C2-10-31-1 | NOT DATED | POWER OPERATED SHEAR |
| 34C2-10-34-1 | NOT DATED | NIAGARA INC/CIRCLE SHEAR |
| 34F2-2-14-1 | 18 FEB 52 | ELEC BENCH GRINDER |
| 34F3-3-3-1 | 4 MAR 66 | 6” ABRASIVE BELT SANDER |
| 34F3-3-5-1 | 16 AUG 63 | MAINT 6” ABRASIVE BELT |
| 34G1-2-2-4 | 3 FEB 50 | SHEETMETAL BRAKE |
| 34G1-2-3-1 | 1 JUL 57 | BRAKE BOX AND PAN |
| 34G1-2-27-1 | 11 AUG 77 | SHEET-METAL BENDER |
| 34G1-2-39-1 | 21 JUL 82 | OPR INST W/IPB--BRAKE MACHINE MODEL BP0612-6 |
| 34G1-2-39-11 | 14 JUL 87 | INST FOR SETUP AND OPER W/IPB BRAKE MACHINE SHEETMETAL |
| 34G1-5-11-31 | 9 JUN 67 | HYD PRESS |
| 34G1-5-16-1 | 16 APR 69 | OPR INSTR W/IPB SHRINKING AND FORMING MACHINE, MODEL 1447 |
| 34G1-6-9-1 | NOT DATED | FORMING MACHINES |
| 34G1-6-12-1 | 8 APR 69 | OPR INSTR W/IPB--SLIP ROLL FORMING MACHINE, MODEL 390 |
| 34G1-9-5-1 | 1 MAY 78 | INSTR W/IPB--FLARING, BENDING MACHINE, ELEC BENCH |
| 34Y1-1-171 | 22 AUG 67 | AIR COMPRESSOR |
| 34Y1-87-51 | 1 APR 81 | USE/MAINT AIR COMPRESSOR |
| 34Y5-4-7-2 | 27 JUL 70 | MAINT HYDRAULIC HAND PUMP |
| 34Y5-4-8-3 | 1 MAY 71 | OPN AND MAINT INSTR W/IPB--HYD PUMP (UH-1N) |
| 34Y5-4-10-1 | 1 AUG 86 | USE/MAINT PORTABLE HYDRAULIC PUMP |
| 34Y30-2-1 | 15 FEB 67 | INSTR W/IPB--HOSE AND FITTING ASSY MACHINE |
| 34Y30-4-1 | 1 MAR 66 | INSTR W/IPB--HOSE CUTTING AND SKIVING MACHINE |
| 35-1-3 | 16 JUN 80 | CORROSION PREVENTION SE |
| 35-1-4 | 1 APR 78 | PROCESSING INSP/STORAGE SE |
| 35-1-8 | 15 JUL 64 | MATCH RAIL SUPPORT EQUIP AND RELATED COMPONENT ADAPTERS |
| 35-1-12 | 6 JUN 66 | COMPOUNDS/PROCEDURES FOR CLEANING SUPPORT EQUIPT |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 35-1-24 | 1 MAY 80 | ECONOMIC REPAIR/REPLACEMENT OF SUPPORT EQUIPT |
| 35-1-25 | 1 JUL 80 | ECONOMIC REPAIR OF SUPPORT EQUIPT |
| 35-1-26 | 31 MAR 80 | REPAIR/REPLACE SUPPORT EQUIPT |
| 35-1-151WC-1 | 1 AUG 93 | INSPECTION PORTABLE HEATERS |
| 35-1-226WC-1 | 30 NOV 89 | WORKCARDS--NON-POWERED SUPPORT EQPT |
| 35-1-246WC-1 | 30 SEP 90 | NON-POWER SUPPORT EQUIPMENT INSPECTION WORK CARDS |
| 35A2-1-1 | 15 APR 94 | GENERAL INSPECTION FOR JACKS |
| 35A2-2-36-1 | 1 DEC 58 | OPR AND SVC INSTR -- 12-TON HYD TRIPOD JACK, P/N 1214-150, -151 (SANCOR) |
| 35A2-2-36-4 | 1 DEC 58 | IPB--12 TON HYD TRIPOD JACK |
| 35A2-2-36-11 | 1 AUG 75 | OVHL HYDRO-MECHANICAL JACKS |
| 35A2-2-36-21 | 1 FEB 71 | USE/ MAINTAIN HYDRO-MECHANICAL JACKS |
| 35A2-2-77-1 | 1 AUG 75 | JACK, 3 TON |
| 35A2-2-89-2 | 15 MAY 76 | MAINTENANCE AND SERVICE INSTRUCTION WITH PARTS LIST, 3 TON JACK |
| 35A2-2-91-2 | 3 OCT 77 | MAINT AND SUC INSTR--50 TON HYD JACK |
| 35A2-2-94-3 | 1 NOV 80 | OVHL, REPAIR AND TEST PROCEDURES--ACFT HYD JACKS |
| 35A2-2-98-1 | 1 MAY 82 | OPN, MAINT INSTR W/IPB -- HYD JACK |
| 35A2-2-103-1 | 15 JUN 88 | OPR MAINT INSTR W/IPB--JACK, HYD, TRIPOD, 3 TON |
| 35A4-2-5-1 | 15 APR 59 | B-4 STAND |
| 35A4-2-5-4 | 15 AUG 79 | IPB FOR B-4 STAND |
| 35A4-3-16-3 | 28 FEB 95 | C-1 STAND |
| 35B2-2-9-1 | 15 APR 86 | OPN, SVC, MAINT MNL W/IPB--LOADCELL WEIGHING SCALE |
| 35B3-4-21-1 | 1 FEB 76 | OPR, MAINT INSTR W/IPB--ELEC WEIGHING KIT |
| 35B5-21-1 | 15 MAR 64 | OPR, SVC, OVHL INSTR W/PB--ACFT UNIVERSAL TOWBAR ASSY |
| 35B5-28-1 | 1 APR 61 | OPR, SVC, OVHL INSTR W/PB--ACFT UNIVERSAL TOWBAR ASSY |
| 35C2-3-1-06 | 6 SEP 74 | WORK UNIT CODES ELECTRICAL GENERATORS |
| 35C2-3-1-426 | 15 DEC 90 | MAINTAIN ELECTRICAL GENERATORS |
| 35C2-3-469-1 | 15 AUG 86 | OPR/CREW AND ORG MAINT INSTR--GENERATOR SET DIESEL |
| 35C3-2-104-1 | 26 APR 91 | USE/MAINTAIN BATTERY CHARGER |
| 35C3-3-7-31 | 15 JUL 54 | USE/MAINTAIN B-8 RECTIFIER |
| 35C3-3-7-34 | 15 JUL 54 | IPB B-8 RECTIFIER |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 35C3-3-8-1 | 10 DEC 53 | OPR AND SVC INSTR--PORTABLE RECTIFIER, METALLIC, DC POWER SUPPLY, TYPE B-9 MODEL K28PA400-4 (P.R. MALLORY) |
| 35C3-3-8-41 | 1 MAY 61 | USE/MAINTAIN B-9 RECTIFIER |
| 35C3-3-8-44 | 1 MAY 61 | IPB B-9 RECTIFIER |
| 35C3-3-8-51 | 1 MAR 69 | OPR AND MAINT INSTR--PORTABLE POWER SUPPLY |
| 35C3-3-8-54 | 1 MAR 69 | IPB-- PORTABLE POWER SUPPLY |
| 35C3-3-8-83 | 1 JUL 82 | OVHL INSTR W/IPB--POWER SUPPLY |
| 35C3-3-119-1 | 5 FEB 82 | USE/MAINTAIN TRANSFORMER/RECTIFIER |
| 35C3-3-121-1 | 26 APR 91 | OPR AND MAINT MANUAL WITH IPB (COMB) POWER CART, M0D 28-2600 MA, A/M 24A-9 |
| 35D3-1-101 | 15 FEB 76 | OPR, SVC AND REPAIR INSTR--PORTABLE OXYGEN CART |
| 35D3-1-104 | 1 MAR 76 | IPB-- PORTABLE OXYGEN CART |
| 35D3-3-26-1 | 1 AUG 60 | ENGINE TRANSPORTATION TRAIL |
| 35D3-3-26-4 | 15 NOV 66 | IPB, ENGINE TRANSPORTATION TRAILER |
| 35D3-3-26-11 | 15 OCT 57 | OPR, SVC AND REPAIR INSTR--ENGINE TRANSPORTATION TRAILER |
| 35D3-3-26-14 | 15 OCT 57 | IPB--ENGINE TRANSPORTATION TRAILER |
| 35D3-3-63-1 | 1 SEP 67 | USE/MAINTAIN ENGINE TRANSPORT TRAILER |
| 35D3-3-65-1 | 1 NOV 68 | OPERATION, SERVICE AND REPAIR INSTRUCTION ENGINE TRANSPORTATION TRAILER MODEL 3000E FEB. STOCK NO. 1740-00-713-5908 |
| 35D3-3-65-4 | 1 NOV 68 | ILLUSTRATED PARTS BREAKDOWN ENGINE TRANSPORTATION TRAILER MODEL 3000E FED STOCK NO. 1740-00-713-5908 |
| 35D3-18-12-1 | 1 FEB 83 | INSTR AND P/B--HYD PRESSURIZATION UNIT |
| 35D3-41-5-6WC-2 | 15 FEB 94 | SPRAY TRAILER CORROSION CONTROL |
| 35D3-41-5-11 | 1 MAY 75 | OPERATION, MAINTENANCE, AND PARTS BREAKDOWN SPRAYING UNIT CORROSION CONTROL, TRAILER MOUNTED, TYPE A/M32M-18A MODEL 8396 P/N 72E02000 |
| 35D4-4-79-1 | 29 JUL 71 | INSTR W/PB--MAINT HOIST |
| 35D6-1-106 | 1 JUL 89 | PERIODIC AND MAINTENANCE INST, ACFT AND ENG SLING (GENERAL) AND RESTRAINING DEVICES |
| 35E1-2-5-1 | 28 FEB 61 | USE/MAINTAIN PORTABLE FIRE EXTINGUISHER |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 35E7-2-3-1 | 5 JUN 79 | OPR/SERVICE INST, BT400 AND TYPE H-1 BBT 102 |
| 35E7-2-3-3 | 1 OCT 60 | OVHL GROUND HEATER BT-400, H-1, MA-1 |
| 35E7-2-3-4 | 1 OCT 60 | IPB GROUND HEATER BT-400, H-1, MA-1 |
| 35F5-1-2 | 15 JUL 88 | EXPLOSION PROOF LANTERNS, FLASHLIGHTS AND EXTENSION CORDS |
| 35F5-5-11-6WC-1 | 1 JUL 92 | INSPECT NF-2 LIGHT CART |
| 35F5-5-11-31 | 30 APR 79 | NF-2 FLOODLIGHT |
| 36-1-121 | 22 FEB 91 | STANDARDIZATION OF TOWING ATTACHMENTS |
| 36A11-18-3-1 | 30 NOV 93 | OPN AND SVC INSTR--AIRDROME UTILITY TRAILER |
| 36A11-18-3-4 | 13 FEB 62 | IPB-- AIRDROME UTILITY TRAILER |
| 36M3-3-31-41 | 1 AUG 68 | OPR AND MAINTENANCE INSTRUCTIONS FOR WAREHOUSE TOWING TRACTOR, MODEL JG40PT-9, -9R, ND-12 |
| 38-1-5 | 1 APR 92 | PROCESSING/INSPECTION OF NON-AIRCRAFT ENGINES FOR SHIPMENT |
| 38G1-16-141 | 10 JUL 70 | USE IN LINE 71 ENGINE |
| 42A1-1-1 | 15 MAY 75 | TESTING OF MATERIALS (CLEANING, PAINTING, SEALING, ETC.) |
| 42A3-1-2 | 9 JUN 67 | GENERAL USE OF CEMENTS |
| 42B-1-1 | 15 SEP 87 | QUALITY CONTROL OF FUEL / LUBE |
| 42B-1-6 | 3 OCT 80 | CORROSION PREVENTION LUBE |
| 42B-1-22 | 15 DEC 70 | QUALITY CONTROL OF COMPRESSED AND LIQUID BREATHING AIR |
| 42B-1-23 | 1 SEP 86 | MANAGEMENT OF RECOVERABLE AND WASTE LIQUID PETROLEUM |
| 42B1-1-1 | 1 JAN 89 | FUELS FOR USAF PISTON AND TURBINE SUPPORT EQUIPT |
| 42B1-1-10 | 1 APR 88 | USE OF DYE IN FUEL TO DETECT LEAKS |
| 42B1-1-14 | 15 AUG 79 | FUELS FOR USAF AIRCRAFT |
| 42B1-1-15 | 14 SEP 91 | CROSS REFERANCE FUEL AND LUBRICANTS |
| 42B1-1-17 | 30 OCT 82 | FUEL VOLUME CORRECTION FACTORS |
| 42B2-1-1 | 1 NOV 82 | USE/GRADESOF ACFT ENGINE LUBRICATING OILS |
| 42B2-1-3 | 1 NOV 86 | FLUIDS FOR HYDRAULIC EQUIPT |
| 42B2-1-107-1 | 31 MAR 95 | TEST RESULTS--OVERAGED AVIATION OILS |
| 42B5-1-2 | 30 DEC 87 | USE/MAINTENANCE/STORAGE OF GAS CYLINDERS |
| 42C-1-1 | 1 JUL 76 | DESICANT FOR STATIC DEHUMIDIFICATION |
| 42C-1-2 | 1 JUL 76 | DE-ICING OF PARKED ACFT |
| 42C2-1-7 | 15 MAR 79 | METAL TREATMENT TO MEET USAF REQUIREMENTS |

| T.O. NUMBER | DATE | TITLE |
|---|---|---|
| 42D-1-3 | 16 SEP 66 | IDENTIFYING STEEL/ALUMINUM/COPPER ALLOYS |
| 42D4-1-4 | 1 MAR 83 | RAIN REPELLANTS FOR WINDSHIELDS (ACFT) |
| 42E-1-1 | 30 JAN 75 | IDENTIFY/TEST/STORAGE OF RUBBER MATERIALS |
| 42E1-1-1 | 6 JAN 75 | AEROSPACE HOSE ASSEMBLIES |
| 42E2-1-2 | 1 JUN 91 | IDENTIFY/USE/DISPOSITION OF HYDRAULIC PACKINGS/GASKETS |
| 44B-1-2 | 23 NOV 88 | MAINTAIN AIRFRAME ANTI-FRICTION BEARINGS |
| 44B-1-3 | 28 FEB 92 | MAINTAIN ACFT WHEEL BEARINGS/SEALS |
| 44B-1-5 | 15 JAN 83 | DEPOT MAINTENANCE PRECISION INSTRUMENT BALL BEARINGS |
| 44B-1-16 | 15 DEC 57 | REMOVE/INSTALL IN ABN ACCESS |
| 44B-1-22 | 15 JUL 57 | REMOVE/INSTALL WHEEL BEARINGS |
| 44B-1-102 | 30 OCT 74 | MAINTAIN ANTI-FRICTION BEARINGS |
| 44H1-1-2 | 3 FEB 61 | USE VIBRATION INSULATORS |
| 44H1-1-11 | 3 SEP 74 | SELECT/INSTALL HUCK LOCKBOLTS |
| 44H1-1-102 | 20 JUN 67 | INSTALL/MAINTAIN INTERLOCKING FASTENERS |
| 44H1-1-117 | 1 OCT 72 | INSTALL HELICOIL INSERTS |
| 44H3-1-3 | 15 MAR 73 | USE OF BOSS CAP AND TUBING SEALS |

SEE PART III, CHAPTER 6, PAR 6.4.1 FOR T.O. APPLICABILITY TO EACH UNIT

## 6.10. UNIT TECHNICAL ORDERS

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| * 00-20-1 | X | X | X | X | X |
| * 00-20-14 | X | X | X | X | X |
| * 00-20-2 | X | X | X | X | X |
| * 00-20-3 | X | X | X | X | X |
| * 00-20-5 | X | X | X | X | X |
| * 00-20-9 | X | X | X | X | X |
| * 00-20F-2 | X | X | X | X | X |
| * 00-25-107 | X | X | X | X | X |
| * 00-25-113 | X | X | X | X | X |
| * 00-25-172 | X | X | X | X | X |
| * 00-25-195 | X | X | X | X | X |
| * 00-25-223 | X | X | X | X | X |
| * 00-25-232 | X | X | X | X | X |
| * 00-25-234 | X | X | X | X | X |
| * 00-25-245 | X | X | X | X | X |
| * 00-25-254-1 | X | X | X | X | X |
| * 00-25-254-2 | X | X | X | X | X |
| * 00-25-4 | X | X | X | X | X |
| * 00-35A-39 | X | X | X | X | X |
| * 00-35D-54 | X | X | X | X | X |
| * 00-5-1 | X | X | X | X | X |
| * 00-5-15 | X | X | X | X | X |
| * 00-5-17 | X | X | X | X | X |
| * 00-5-18 | X | X | X | X | X |
| * 00-5-2 | X | X | X | X | X |
| * 00-5-2-102 | X | X | X | X | X |
| * 00-75-5 | X | X | X | X | X |
| * 00-85-20 | X | X | X | X | X |
| * 00-85A-03-1 | X | X | X | X | X |
| * 00-85A-23-1 | X | X | X | X | X |
| * 1-1-3 | X | X | X | X | X |
| * 1-1-689 | X | X | X | X | X |
| * 1-1-691 | X | X | X | X | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| * 1-1-8 | X | X | X | X | X |
| * 1-1A-9 | X | X | X | X | X |
| * 1-1B-50 | X | X | X | X | X |
| * 42B-1-1 | X | X | X | X | X |
| * 42B1-1-1 | X | X | X | X | X |
| * 42B1-1-10 | X | X | X | X | X |
| * 42B1-1-14 | X | X | X | X | X |
| * 42B1-1-15 | X | X | X | X | X |
| * 42B-1-22 | X | X | X | X | X |
| * 42B-1-23 | X | X | X | X | X |
| * 42B2-1-1 | X | X | X | X | X |
| * 42B5-1-2 | X | X | X | X | X |
| * 42C-1-1 | X | X | X | X | X |
| * 42C2-1-7 | X | X | X | X | X |
| * 42D4-1-4 | X | X | X | X | X |
| 00-110A-1 | X | X | X | | |
| 00-110N-2 | X | X | | X | |
| 00-110N-3 | X | X | X | X | |
| 00-25-06-2-1 | X | X | X | X | |
| 00-25-06-2-2 | X | X | X | | |
| 00-25-113-2835 | X | X | X | | |
| 00-25-113-H1 | X | X | X | | X |
| 00-25-113-T400 | X | X | X | | X |
| 00-25-200 | | X | | | |
| 00-25-213 | X | | X | | |
| 00-25-240 | X | X | | | |
| 00-25-254-CD-1 | X | X | | | |
| 00-25-255-1 | X | X | | | X |
| 00-25-255-2 | X | X | | | X |
| 00-80C-3 | X | X | | | X |
| 00-CD-1 | X | | | | |
| 0-1-CD-1 | X | X | X | | |
| 0-4-6-2-CD-1 | X | X | X | | |
| 1-1-17 | X | X | | | X |
| 1-1-19 | X | X | | | X |
| 1-1-300 | X | X | X | X | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 1-1-312 | X | X | X | | |
| 1-1-638 | X | X | | | |
| 1-1-641 | X | | | | |
| 1-1-655 | X | | | | |
| 1-1A-1 | X | X | | X | |
| 11A10-24-7 | X | | X | | |
| 11A10-25-7 | X | | X | | |
| 11A10-26-7 | | | X | X | |
| 11A-1-1 | X | | X | | |
| 11A-1-10 | X | | X | | |
| 1-1A-12 | X | X | | X | |
| 11A-1-33 | | X | X | | X |
| 1-1A-14 | X | X | X | X | X |
| 1-1A-15 | X | X | X | | X |
| 11A18-10-7 | | X | | X | |
| 11A18-14-7 | | X | X | X | X |
| 1-1A-8 | | X | X | X | X |
| 11C15-1-3 | | | X | | |
| 1-1H-39 | X | | | X | X |
| 11H5-17-11 | X | | | | |
| 11H5-20-1 | X | | | | |
| 12P4-2APX-142 | | X | | | |
| 12P4-2APX72-2 | | X | | | |
| 12P4-2APX72-2CL-1 | | X | | X | |
| 12P4-2APX72-4 | X | X | | X | |
| 12R2-2ARC164-2 | X | | | X | |
| 12R2-2ARC164-32 | X | X | | X | |
| 12R2-2ARC164-34 | X | X | | | |
| 12R2-2ARC164-34-1 | | X | | | |
| 12R2-2ARC164-4 | | | | X | |
| 12R2-2ARC164-91 | X | X | | X | |
| 12R2-2ARC164-92 | | X | | X | |
| 12R2-2ARC186-2 | | X | | X | |
| 12R2-2ARC186-3 | | | | X | |
| 12R2-2ARC186-4 | | X | | X | |
| 12R2-2ARC-292 | X | | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 12R2-2ARC-302 | X | | | | |
| 12R5-2ARN118-12 | X | X | | X | |
| 12R5-2ARN147-2 | | X | | | |
| 12R5-2ARN147-3 | | X | | | |
| 12R5-2ARN147-4 | | X | | | |
| 12R5-2ARN-193 | | X | | X | |
| 12R5-2ASN175-1 | | X | X | | X |
| 12S10-2AVS9-1 | X | | X | | |
| 12S10-2AVS9-2 | X | | X | | |
| 13A1-1-1 | | X | X | X | X |
| 13A4-20-3 | X | X | X | X | X |
| 13C1-29-14 | X | | | | |
| 13C1-29-4 | X | | | | |
| 13C2-1-1 | | X | | | |
| 13C9-6-3 | X | X | | | |
| 13D3-3-2 | X | X | | | |
| 13F3-1-103 | | X | X | X | X |
| 13F3-1-104 | X | X | X | X | X |
| 13F4-1-1 | X | | X | | |
| 13F4-4-131 | X | X | X | X | X |
| 13F4-4-62 | X | | | | X |
| 13F6-12-3 | X | X | X | X | X |
| 14P3-1-112 | X | | X | | |
| 14P3-4-181 | X | | X | | |
| 14S10-2-2 | X | | X | | |
| 14S-1-131 | X | | X | | |
| 14S1-3-51 | X | | X | | |
| 14S3-1-3 | X | | | | |
| 14S6-3-1 | X | X | | X | |
| 15H5-2-72-3 | X | | | | |
| 15X-1-1 | X | X | X | | |
| 16W12-7-3 | X | X | X | X | |
| 16W7-18-3 | X | X | | | |
| 1C-1-71 | X | X | | | |
| 1H-1(H)H-2-1-1 | X | X | | | |
| 1H-1(H)H-36 | X | X | X | | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 1H-1(U)N SERIES | X | X | X | | X |
| 1H-1(U)N-01 | X | X | X | X | X |
| 1H-1(U)N-06 | X | X | X | X | X |
| 1H-1(U)N-1 | X | X | X | X | X |
| 1H-1(U)N-10 | X | X | X | X | X |
| 1H-1(U)N-17 | | X | X | X | X |
| 1H-1(U)N-1CL-1 | X | | X | | |
| 1H-1(U)N-1CL-2 | X | | X | | |
| 1H-1(U)N-21 | X | X | X | X | X |
| 1H-1(U)N-2-1 | X | X | X | X | X |
| 1H-1(U)N-2-1CL-1 | X | X | X | X | X |
| 1H-1(U)N-2-1CL-2 | X | X | X | X | X |
| 1H-1(U)N-2-1CL-3 | X | X | X | X | X |
| 1H-1(U)N-2-2 | X | X | X | X | X |
| 1H-1(U)N-3 | X | X | X | X | X |
| 1H-1(U)N-4 | | X | X | X | X |
| 1H-1(U)N-5 | X | X | X | X | X |
| 1H-1(U)N-6 | X | X | X | X | X |
| 1H-1(U)N-6CF-1 | X | X | X | X | X |
| 1H-1(U)N-6CL-1 | X | X | X | | X |
| 1H-1(U)N-6WC-1 | | X | X | X | X |
| 1H-1(U)N-6WC-2 | | X | X | X | X |
| 1H-1(U)N-9 | X | X | X | X | X |
| 1H-1-23 | X | X | X | | X |
| 1H-1-39 | X | X | X | | X |
| 2-1-11 | X | X | X | | X |
| 2-1-111 | X | | | | X |
| 2-1-16 | X | X | | | |
| 2-1-18 | X | X | X | | X |
| 2J-1-13 | X | X | X | X | |
| 2J-1-18 | | X | X | X | X |
| 2J-1-19 | | X | X | | |
| 2J-1-24 | | X | X | X | |
| 2J-1-27 | | X | | X | |
| 2J-T400 | | | X | | X |
| 2J-T400-4 | X | X | X | X | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 2J-T400-6-1 | X | X | X | X | X |
| 2J-T400-6-2 | X | X | X | | X |
| 31-1-75 | X | | | | |
| 31R2-1-251 | X | | X | | |
| 31R2-2PR-101 | X | | | X | |
| 31R2-2PR-104 | X | | | | |
| 31R2-2PRC90-1 | X | | X | | |
| 31R2-2PRC90-2 | X | | X | X | |
| 31R2-2PRC90-4 | | | X | | |
| 32-1-101 | X | X | X | X | X |
| 32-1-151 | | | X | | |
| 32-1-2 | | X | | | |
| 32-1-201 | | | | | |
| 32A1-11-1 | | | | | X |
| 32A25-1-101 | | X | | | X |
| 32A25-1-104 | | X | | | X |
| 32A25-1-111 | | X | | | X |
| 32A25-1-114 | | X | | | X |
| 32B14-3-1-101 | X | X | X | | X |
| 32B14-3-2-13 | X | | | | |
| 32B14-3-2-3 | X | | | | |
| 33-1-21 | X | | | | |
| 33-1-27 | X | X | X | | X |
| 33-1-32 | | X | X | | |
| 33-1-37-1 | | | | X | |
| 33-1-37-2 | X | | | | |
| 33-1-37-CD-1 | | X | X | | X |
| 33-1-5 | | X | | | |
| 33A1-10-185-1 | X | | | X | |
| 33A1-12-1177-1 | | X | | | |
| 33A1-12-1215-1 | | X | | | |
| 33A1-12-1292-1 | X | X | | | |
| 33A1-12-15-1 | | | | | |
| 33A1-12-15-21 | X | | | | |
| 33A1-12-2-1 | | | | X | |
| 33A1-12-216-1 | | X | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 33A1-12-216-4 | | X | | | |
| 33A1-12-2-2 | X | | | X | |
| 33A1-12-607-1 | | | | X | X |
| 33A1-12-607-4 | | | | X | |
| 33A1-12-623-1 | X | | | X | |
| 33A1-13-496-1 | X | | | | |
| 33A1-13-591-2 | X | X | | | |
| 33A1-3-504-1 | | X | | | |
| 33A1-4-73-1 | | X | | | |
| 33A1-7-195-31 | | X | | | |
| 33A1-7-23-1 | | X | | | |
| 33A1-7-23-4 | X | X | | | |
| 33A1-7-268-1 | X | | | | |
| 33A1-7-322-1 | X | X | | | |
| 33A1-8-1066-1 | | X | | | |
| 33A1-8-760-11 | X | X | | | |
| 33A1-8-760-31 | X | | | | |
| 33A2-2-23-31 | X | | | | |
| 33A2-2-30-41 | X | | | | |
| 33A2-2-30-43 | X | | | | |
| 33A2-2-63-3 | X | | | | |
| 33A2-2-63-4 | X | | | | |
| 33A3-4-40-1 | | | X | | |
| 33A6-4-6-1 | X | X | X | X | X |
| 33A6-4-6-4 | | X | X | | X |
| 33B-1-1 | | X | | | |
| 33B4-10-5-1 | X | | X | | |
| 33D2-3-86-1 | X | | | | |
| 33D2-6-102-1 | X | X | | | |
| 33D2-6-102-4 | | X | | | |
| 33D2-6-105-1 | | X | | | |
| 33D2-6-105-4 | X | X | | | |
| 33D2-6-9-1 | | | | | X |
| 33D2-8-20-1 | X | | | | |
| 33D2-8-20-4 | X | | | | |
| 33D2-8-356-1 | | X | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 33D2-8-356-4 | X | X | | | |
| 33D2-8-375-1 | X | | | X | |
| 33D2-8-375-4 | X | | | X | |
| 33D2-8-383-1 | X | X | | | |
| 33D7-29-52-1 | X | | | | |
| 33D7-3-60-71 | | X | | X | |
| 33D7-3-60-73 | X | X | | | |
| 33D7-3-60-74 | X | X | | | |
| 33D7-50-159-1 | | X | | X | |
| 33D7-50-159-1-2 | | X | | X | |
| 33D7-6-118-1 | | X | | | |
| 33D7-71-42-1 | | | X | X | |
| 33DA103-27-1 | | X | | X | |
| 33DA123-12-1 | X | | | | |
| 33DA123-13-1 | X | X | | | |
| 33K-1-100-CD-1 | X | X | X | | |
| 34-1-10 | | | | X | |
| 34-1-3 | X | X | X | X | |
| 34C2-10-12-1 | | X | | | |
| 34C2-10-3-1 | X | | | X | |
| 34C2-10-31-1 | X | | | | |
| 34C2-10-34-1 | X | | | | |
| 34C2-3-1-104 | X | X | | | |
| 34C2-4-18-31 | | X | | | |
| 34C2-7-5-1 | | X | | | |
| 34C2-8-6-44 | | X | | | |
| 34C2-8-6-54 | | X | | | |
| 34C2-8-6-62 | X | X | | | |
| 34C2-8-78-1 | X | X | | | |
| 34F2-2-14-1 | | | | X | |
| 34F3-3-3-1 | X | | | | |
| 34F3-3-5-1 | X | | | | |
| 34G1-2-2-4 | X | | | | |
| 34G1-2-27-1 | X | | | X | |
| 34G1-2-3-1 | X | | | | |
| 34G1-2-39-1 | X | X | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 34G1-2-39-11 | | X | | | |
| 34G1-5-11-31 | X | | | | |
| 34G1-5-16-1 | | X | | | |
| 34G1-6-12-1 | X | X | | | |
| 34G1-6-9-1 | X | | | | |
| 34G1-9-5-1 | | X | | | |
| 34Y1-1-171 | X | X | | | |
| 34Y1-87-51 | X | | | | |
| 34Y30-2-1 | | X | | | |
| 34Y30-4-1 | X | X | | | |
| 34Y5-4-7-2 | X | | | | |
| 34Y5-4-8-3 | X | | | | |
| 35-1-12 | X | X | | | |
| 35-1-226WC-1 | | X | X | | |
| 35-1-24 | X | | | | |
| 35-1-246WC-1 | | X | X | | |
| 35-1-25 | X | | | | |
| 35-1-3 | | X | | | X |
| 35-1-4 | X | X | | | |
| 35-1-8 | | | | | X |
| 35A2-1-1 | X | | X | | X |
| 35A2-2-103-1 | X | | | | X |
| 35A2-2-36-1 | X | | X | | |
| 35A2-2-36-11 | | | X | | |
| 35A2-2-36-21 | X | | X | | |
| 35A2-2-36-4 | X | | X | | |
| 35A2-2-77-1 | | | X | | |
| 35A2-2-89-2 | | | X | | |
| 35A2-2-94-3 | | | X | | |
| 35A4-2-5-1 | | X | X | | |
| 35A4-2-5-4 | X | X | X | | |
| 35A4-3-16-3 | | | X | | |
| 35B3-4-21-1 | X | | X | | |
| 35B5-21-1 | X | | X | | |
| 35B5-28-1 | | X | X | | |
| 35C2-3-1-426 | X | | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 35C2-3-469-1 | X | | X | | |
| 35C3-2-104-1 | | X | X | | X |
| 35C3-3-121-1 | | X | X | | |
| 35C3-3-8-1 | | X | | | |
| 35C3-3-8-54 | X | | | | |
| 35C3-3-8-83 | | X | | | |
| 35D3-1-101 | | X | | | |
| 35D3-1-104 | | X | | | |
| 35D3-3-26-1 | | X | X | | X |
| 35D3-3-26-11 | X | | | | |
| 35D3-3-26-14 | X | | | | |
| 35D3-3-26-4 | X | X | X | | |
| 35D3-3-63-1 | X | | | | |
| 35D3-3-65-1 | | | | | X |
| 35D3-3-65-4 | X | | | | X |
| 35D3-41-5-11 | | | X | | |
| 35D3-41-5-6WC-2 | X | | | | |
| 35D4-4-79-1 | X | | | | |
| 35D6-1-106 | X | X | X | | X |
| 35E1-2-5-1 | X | | | | |
| 35E7-2-3-1 | X | | | | |
| 35E7-2-3-3 | X | | | | |
| 35E7-2-3-4 | X | | | | |
| 35F5-1-2 | X | X | | X | |
| 35F5-5-11-31 | X | | | | |
| 35F5-5-11-66WC-1 | X | | | | |
| 36-1-121 | | X | | | |
| 36A11-18-3-1 | X | X | | | |
| 36A11-18-3-4 | X | X | | | |
| 36M3-3-31-41 | X | | | | |
| 38-1-5 | X | | | | |
| 38G1-16-141 | X | | | | |
| 3R10-4-3 | | X | X | X | X |
| 3R10-6-3 | | X | X | X | X |
| 3R10-7-3 | X | X | X | X | X |
| 3R1-2-12-3 | X | X | | X | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 3R12-3-3 | X | | | | |
| 3R12-4-3 | X | X | X | | X |
| 3R1-3-4-3 | | | | | |
| 3R1-3-6-3 | X | X | X | X | X |
| 3R1-6-4-3 | X | X | X | X | X |
| 3R1-6-4-4 | X | X | | X | X |
| 3R17-4-3 | X | X | X | X | X |
| 3R17-5-3 | X | X | X | X | X |
| 3R1-8-6-3 | X | X | X | X | X |
| 3R19-2-2 | X | X | X | X | X |
| 3R19-2-4 | X | X | X | X | X |
| 3R20-2-2 | X | X | X | X | X |
| 3R20-2-4 | | X | X | X | X |
| 3R21-2-3 | X | | | | X |
| 3R21-3-3 | X | X | X | X | X |
| 3R2-5-2-2 | | X | | X | X |
| 3R2-5-2-4 | | X | X | X | X |
| 3R4-2-7-3 | X | X | X | X | X |
| 3R4-2-8-3 | X | X | X | | X |
| 3R4-4-7-3 | X | | X | X | X |
| 3R4-5-3-3 | | | | | |
| 3R7-2-6-3 | | X | X | X | X |
| 42A1-1-1 | X | | | | |
| 42A3-1-2 | X | X | X | X | X |
| 42B-1-6 | X | X | | X | X |
| 42B2-1-107-1 | | X | | | |
| 42B2-1-3 | X | | | | |
| 42C-1-2 | X | | | | |
| 42D-1-3 | | X | | | X |
| 42E-1-1 | X | | | | X |
| 42E1-1-1 | X | X | X | X | X |
| 42E2-1-2 | | X | X | X | X |
| 44B-1-102 | | X | | | X |
| 44B-1-2 | | X | | | X |
| 44B-1-3 | | X | X | | X |
| 44H1-1-102 | X | | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 44H1-1-11 | X | X | | | |
| 44H1-1-117 | X | X | | | |
| 44H3-1-3 | | X | | | |
| 4T-1-3 | | X | | | X |
| 4T-1-4 | | X | | | X |
| 5-1-1 | X | | X | X | X |
| 5-1-10 | X | | X | X | X |
| 5-1-14 | X | | | | |
| 5-1-16 | | | | X | |
| 5-1-17 | | | X | X | X |
| 5-1-2 | | X | X | X | X |
| 5-1-5 | | | X | X | |
| 5E5-3-20-22 | X | | | | |
| 5E5-3-20-3 | | X | | | |
| 5E6-11-2-3 | | X | | | |
| 5E6-11-3-13 | | X | | | |
| 5E6-11-3-3 | | X | | | |
| 5E6-2-1-117 | X | | | | |
| 5E6-2-51-3 | X | X | | | |
| 5E6-2-52-3 | | X | | | |
| 5F3-3-8-3 | X | | | | |
| 5F3-3-8-4 | X | | | | |
| 5F8-2-1-1 | X | | | | X |
| 5F8-2-58-3 | X | X | | | |
| 5F8-3-32-3 | X | X | | | |
| 5L20-8-3 | X | X | | | |
| 5N11-2-4-3 | | X | | | |
| 5N1-2-4-1 | | | | | |
| 5N1-2-6-2 | X | | | | X |
| 5N2-2-2-4 | X | | | | |
| 5N3-3-1-101 | X | X | X | | X |
| 5N3-3-7-1 | | | | | |
| 5N3-3-7-3 | | | | | |
| 5N3-3-7-4 | | | | | |
| 6J10-3-131-3 | | X | | | |
| 6J3-1-1 | X | | | | X |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| 6J3-4-92-3 | | | X | | |
| 6J3-4-93-3 | | | X | | |
| 7J1-1-2 | X | | X | | |
| 7J15-3-3 | | | | | |
| 7J6-5-9-33 | | X | | | |
| 7J6-5-9-43 | X | X | | | |
| 8-1-1 | X | X | X | | X |
| 8-1-10 | X | | | X | X |
| 8-1-8 | X | | | | X |
| 81V-MSS/PCW/PFPS | | | X | | |
| 88Z-AWBS/00365/PCSSE-F001-00A | | | | | X |
| 8C7-4-16-3 | | | X | | |
| 8C7-4-16-4 | X | | X | | |
| 8D10-14-2-3 | X | X | | | X |
| 8D10-2-25-3 | X | X | | | X |
| 8D1-13-45-3 | X | X | X | X | |
| 8D1-13-46-3 | X | | | | |
| 8D11-3-49-3 | X | X | | | |
| 8D13-3-5-3 | X | X | | X | X |
| 8D15-12-2-3 | X | | | | X |
| 8D2-1-31 | X | | | X | |
| 8D2-3-1 | X | | | | |
| 8D2-3-4 | X | | | | |
| 8D3-8-17-13 | X | X | | | |
| 8R1-3-2-94 | X | X | | | X |
| 8R3-40-4 | X | | | | |
| 9-1-1 | X | X | | | X |
| 9H13-15-3 | X | X | X | | |
| 9H2-4-204-2 | | | | | |
| 9H2-4-204-4 | | | | | |
| 9H2-4-211-3 | | X | X | | X |
| 9H5-3-58-3 | | | | | |
| 9H8-10-2-13 | | | | | |
| 9H8-30-107-3 | | X | X | | |
| 9P5-14-45-3 | | X | | | |

| T. O. | 37 HF | 40 HF | 54 HF | 76 HF | 459 AS |
|---|---|---|---|---|---|
| NAVAIR 03-30ET-45 | | X | | | |

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# PART IV

# GENERAL INFORMATION

# CHAPTER 1

# GOVERNMENT OPERATIONAL RESPONSIBILITIES

## 1. OPERATIONAL RESPONSIBILITIES GENERAL INFORMATION.

The following outlines contractor requirements for government operational responsibilities, to include: normal operating hours; scheduled, standby and assigned aircraft; overtime and emergency and contingency operations.

### 1.1. NORMAL OPERATING HOURS

1.1.1. The contractor is required to provide full helicopter maintenance service Monday through Friday, 52 weeks per year. Normal operating hours for each unit maintenance function are:

| | |
|---|---|
| 37 HF | 0600-2300 Monday through Friday<br>Hours of operation may be modified to accommodate NVG flight operations. |
| 40 HF | 0600-2300 Monday through Friday<br>Hours of operation may be modified to accommodate NVG flight operations. |
| 54 HF | 0600-2300 Monday through Friday<br>Hours of operation may be modified to accommodate NVG flight operations. |
| 76 HF | 0700-2300 Monday through Friday<br>Hours of operation may be modified to accommodate NVG flight operations. |
| 459 AS | 0600-2000 Monday through Friday<br>Short notice schedule changes should be expected to accommodate VIP mission requirements. |

1.1.2. The government reserves the right to change or temporarily adjust the normal hours of operation in the event the government determines that helicopter maintenance workload changes require corresponding changes in the normal hours of operation. Changes in the normal hours of operation may occur in order to meet mission changes, enhance operations efficiency, minimize cost impact of operations to the government, and maximize budgeted hourly resources. Short notice schedule changes should be expected to accommodate mission requirements. The government shall make every attempt to notify the contractor in advance of schedule changes. The contractor shall accomplish employee duty scheduling in order to meet changes in the normal hours of operation. It is the contractor's responsibility to structure his shifts so as to minimize overtime requirements.

### 1.2. SCHEDULED, STANDBY AND ASSIGNED AIRCRAFT

1.2.1. Scheduled aircraft are aircraft that the contractor shall maintain ready for launch to meet mission requirements. Contractor shall provide scheduled aircraft in accordance with the numbers of aircraft established in, Part V, Appendix 3, of the contract.

1.2.2. In the event aircraft become non-mission-capable during the normal hours of operation, the contractor shall furnish sufficient replacement aircraft to maintain the minimum daily MC

aircraft required under Part V, Appendix 3. Such replacement aircraft shall be drawn from the remaining inventory of aircraft that the contractor is required to maintain.

1.2.3. Standby aircraft are aircraft which the contractor has current preflight inspections and are mission ready for launch with minimal ground handling (normally, less than 30 minutes during normal hours of operation). The contractor shall provide standby aircraft in accordance with the numbers established in Part V, Appendix 3, of this SOW. Standby aircraft as above defined shall be available for use for missions at the discretion of the Unit Commander.

1.2.4. Changes in Numbers of Assigned Aircraft: The government shall have the right to increase or decrease the number of aircraft to be maintained by the contractor. Short-term changes in the number of aircraft may result from TDYs, OCM and aircraft loan. The change is not considered a scope change and the number will return to the previous assigned number upon completion of the mission requirement. Changes in the number of permanently assigned aircraft described in this paragraph may increase up to two and decrease by no more than two aircraft per unit and will be at no additional cost to the government. The contractor shall perform an acceptance inspection of additionally assigned aircraft.

1.2.4.1. If the number of aircraft on station is reduced to a point the contractor cannot provide aircraft required to support daily requirements, the contractor's site manager should identify the shortfall to the unit commander. If the site manager's concern is valid, the unit commander may reduce the daily requirements or request loan aircraft through appropriate higher headquarters.

1.2.5. The contractor should not expect relief from the daily aircraft requirement for TDY, loan, depot, or NMCS aircraft. Aircraft in a TDY status will not necessarily count toward daily aircraft requirements. Relief from daily requirements for any of these cases is at the discretion of the unit commander.

**1.3. OVERTIME**

1.3.1. Overtime may not exceed the amount listed in Section B, Mission Overtime CLINS. Overtime man-hours will not be paid for contractor personnel on standby, per Part IV, Chapter 1, unless they are actually called to respond to an aircraft launch/recovery. Overtime will not begin until the individual arrives at the site to work. Individuals called to respond will be credited with a minimum of 1 hour.

1.3.1.1.The ultimate approval authority for the authorization of all overtime lies with the unit commander or authorized representative. The contractor shall not incur overtime without such prior approval.

**1.4. EMERGENCY AND CONTINGENCY MISSIONS**

1.4.1. The contractor shall support mission requirements outside the regular hours of operation established in Part IV, Chapter 1, Para 1.1.1 and in accordance with Part IV, Chapter 1 for each unit.

1.4.2. The contractor shall ensure unit personnel are properly managed to meet 24-hour operations for limited durations due to exercises or contingencies IAW Part IV, Chapter 1.

1.4.3. The contractor will normally be required to provide standby aircraft outside the regular hours of operation as called for in Part V, Appendix 3; however, the contractor may be required to provide additional aircraft to support tasking in Part IV, Chapter 1.

1.4.3.1. The unit commander will make the determination for additional aircraft.

1.4.3.2. In the event the contractor is required to respond to such missions outside regular hours of operation and if the response results in the employee exceeding 40 hours for the workweek, he/she shall be entitled to reimbursement for incurred overtime costs at the rates established in Section B.

1.4.3.3. The contractor shall be notified via unit recall procedures in the event of an emergency and/or contingency condition.

1.4.3.4. Performance of services during crisis declared by the National Command Authority or Overseas Combatant Commander will be responded to as called out in this section entitled Emergency and Contingency Missions.

1.4.4. The government reserves the right to change the “NOT TO EXCEED” dollar amount established in Section B of the contract.

## PART IV

## CHAPTER 2

## GOVERNMENT QA RESPONSIBILITIES AND INSPECTIONS

### 2. GOVERNMENT INSPECTIONS.

The contractor shall be subject to inspections by the following individuals or agencies:

### 2.1. CQAE.

2.2. The Senior QAE is designated the Chief Quality Assurance Evaluator (CQAE) for the purpose of monitoring the contractor's performance. The Functional Commander in conjunction with the CQAE is responsible for providing a certificate of service (COS) to the contracting officer at the end of each month.

### 2.3. QAE.

2.3.1. The CQAE and quality assurance evaluator (QAE) shall be responsible for giving verbal and/or written notice to the contractor's on site representative when action is required under the terms and condition of this contract.

### 2.4. QUALITY ASSURANCE.

2.4.1. The government shall evaluate the contractor's performance under this contract. The government shall record all surveillance observations. When an observation indicates defective performance, the CQAE and/or QAE shall request the contractor's representative to initial the observation.

### 2.5. HIGHER HEADQUARTERS INSPECTIONS

2.5.1. Nuclear Surety Inspections (NSI)/Operational Readiness Inspections (ORI)/Combat Capability Assessments (CCA). 20 Air Force and AFSPC representatives will perform periodic inspections on maintenance activities during 37, 40, 54 and 76 HF evaluations.

2.5.2. 459 AS shall be subject to PACAF Inspector General (IG) inspections.

2.5.3. Staff Assistance Visits (SAV). 20 Air Force personnel may perform SAVs on AFSPC units when requested by the host unit.

2.5.4. Program Reviews. Program reviews will be performed by 20 AF/DOHM and 21 CONS/LGCZB at the discretion of the 459 AS Commander. Unit requesting program review will provide TDY funding.

## PART IV

## CHAPTER 3

## PHASE-IN

### 3. CONTRACTOR PHASE-IN.

Contractor will receive specific notification from the government concerning performance start date. Performance start date is defined as that date when the contractor assumes sole responsibility for the maintenance duties. Contractor shall not be entitled to any payment from the government under this contract prior to performance start date. Contractor shall be responsible for all phased-in actions that may be necessary for complete assumption of duties under this contract prior to performance start date. Contractor shall be allowed access to the facility and the regulations library up to 30 days prior to the start of contract performance on a not to interfere basis.

### 3.1. EQUIPMENT INVENTORY.

3.1.1. During the Phase-In Period, the contractor and a government representative shall conduct a joint inventory of all government furnished equipment listed in Part III. The contractor shall receipt for all equipment provided by the government. The contractor and a government representative shall jointly determine the working order and condition of all equipment. Items of equipment missing or not in working order shall be recorded. The government shall replace missing items and repair all items not in working order or the contracting officer shall direct the contractor to replace the missing item(s) or accomplish the repair and the contractor shall be reimbursed for cost incurred. The government representative and contractor shall certify their agreement as to the working order of the equipment. If the contractor does not participate in the inventory, the contractor must accept as accurate the listing and the stated condition of equipment provided by the government. If the contractor participates in the inventory, but does not agree with the government representative's determinations to the working order of the equipment, this failure of the contractor to agree on working order and defectives shall be handled under the "Dispute" clause of this contract.

3.1.2. Equipment Accounting. Government furnished equipment assigned Equipment Management Codes 2 through 5 are accounted for on Equipment Authorized In-Use Details (EAIDS) under the provisions of AFMAN 23-110. The contractor shall designate custodians and alternates to receipt and account for government furnished EAID equipment on custodian authorization/custody receipt listings. EAID equipment is designated Part III, Chapter 3. The government shall provide the custodian, and their alternate, initial equipment custodian training IAW AFMAN 23-110. (To be accomplished during 30-day phase-in period.)

3.1.2.1.The contractor shall comply with all computer system and ADPE accountability procedures required by the government.

3.1.2.1.1. The contractor and the government shall conduct a joint inventory of all ADPE computer systems and software not later than 5 days prior to the start of the basic contract. The contractor shall not modify any government provided ADPE, computer system, or software without approval from the government.

**3.2. NATIONAL AGENCY CHECK (NAC).**

3.2.1. Contractor employees must have NAC resulting in a secret clearance. The contractor shall initiate paperwork for required NACs within 10 calendar days after award of the contract. The contractor's employees who currently have secret NACs are authorized to and shall provide escorts for those personnel awaiting their NAC. Once a secret check has been received, the contractor shall be notified to have the employee report to Security Police Pass and ID for issuance of a Controlled Area Badge. The Controlled Area Badge shall be obtained within two working days of notification (if required).

3.2.1.1.The contractor shall ensure that each employee acquires base entry passes and employee identification cards. These may be obtained from Pass and Registration.

3.2.2. The contractor shall furnish a roster of all employees to the contracting officer and 20AF/DOHM at the pre-performance conference. This information will be provided to the contracting officer and 20AF/DOHM not later than two working days after hiring a new employee and/or as changes occur (see CDRL A008).

**3.3. GOVERNMENT PROVIDED TRAINING.**

3.3.1. The following government furnished training shall be completed within the 30-day phase-in period.

3.3.1.1.Government furnished training shall be provided to obtain an AF Form 2293, U.S. Air Force Motor Vehicle Operator Identification card, for all vehicle operators.

3.3.1.2.The contractor shall be responsible for requesting driver training for employees who shall operate Government vehicles. The contractor shall submit, in writing to base transportation, an AF Form 171 for each person requiring drivers training for issuance of AF Form 2293.

3.3.1.3.The contractor shall be responsible for requesting and obtaining AF Form 483, Certificate of Competency, for all personnel who operate vehicles on the flightline. The letter shall state the requirement for "Flightline Operations."

3.3.1.4.Government furnished training shall be provided for supply/equipment account custodian(s) and alternate(s). The contractor shall be responsible for requesting training from base supply customer service section.

3.3.1.5.Government furnished initial fire extinguisher training shall be provided for all employees. The contractor shall be responsible for requesting this training from Civil Engineering Fire Technical Services section.

3.3.1.6.Government furnished training shall be provided for maintenance personnel required to fly aboard aircraft. Requirements for maintenance personnel required to fly are aircraft egress training, life support and equipment training, survival training (slides/tape for areas concerned), local operating instructions and procedures review, and applicable flight ground training as required in AFI 11-202.

3.3.1.7.Government furnished initial training shall be provided for contract personnel serving as primary and alternate hazardous waste managers. The government will furnish HAZMAT training as required. The contractor shall be responsible for requesting this training from appropriate base agencies.

**3.4. SECURITY.**

3.4.1. Upon assumption of control of areas, the incoming contractor shall:

3.4.1.1.Change access door and padlock combinations or replace with new padlocks.

3.4.1.2.Obtain keys to government furnished offices, buildings, storage cabinets, desks and padlocks.

3.4.1.3.Establish a lock/key control program.

## PART IV

## CHAPTER 4

## PHASE OUT

### 4. CONTRACTOR PHASE-OUT.

Thirty days prior to contract completion date, incumbent will make all sites available to allow successor contractor to become familiar with the equipment and to train personnel if necessary, on a not to interfere basis with the current contractor.

### 4.1. EQUIPMENT ACCOUNTABILITY.

4.1.1. By completion or extension of the contract, a joint inventory of all government provided equipment shall be conducted by the contractor and a government representative. The contractor shall be liable for loss or damage to government furnished property beyond fair wear and tear in accordance with the clause of this contract, "Government Property." Compensation shall be effected either by reduced amounts owed to the contractor or by direct payment by the contractor, the method to be determined by the contracting officer. All equipment damaged by the contractor beyond fair wear and tear shall be repaired by the contractor at the contractor's expense within 30 days of discovery, but before the joint inventory is made. All repairs/maintenance, for which the contractor would otherwise be liable, not performed by the contractor, shall be made at the government's option and at the contractor's expense. In the case of damaged property, the amount of compensation due the government by the contractor shall be the depreciated replacement value of the item to be determined by the contracting officer. Any failure of the contractor to agree with such determination shall be treated as a dispute pursuant to the clause of the contract entitled, "Disputes."

### 4.2. CONTRACT TERMINATION.

4.2.1. Upon termination, the incumbent contractor shall:

4.2.1.1.Turn over all keys to designated government representative and provide combinations to access doors and combination locks so the successor can remove existing combinations and enter new combinations.

4.2.1.2.Ensure that all contractor employees turn in their restricted area badges and ID cards.

4.2.1.3.Turn over all manuals, publications and technical orders provided by the government.

4.2.1.4.Perform a joint inventory of hazardous waste, aircraft and supply documents and logs.

4.2.2. The incumbent will allow the successor access to CAMS for training and review of aircraft data. The successor will not be allowed to alter CAMS data until start of contract.

## PART V

## APPENDIX 1

## DEFINITIONS OF TERMS

### 1. STANDARD DEFINITIONS.

The following list of definitions, both general and technical, and list of abbreviations are used throughout this SOW.

### 1.1. GENERAL INFORMATION.

1.1.1. The following is a list of definitions used throughout this SOW:

1.1.1.1.Chief Quality Assurance Evaluator (CQAE): The Senior Quality Assurance Evaluator.

1.1.1.2.Contracting Officer (CO): A person with the authority to enter into, administer and/or terminate contracts and make related determinations and findings.

1.1.1.3.Defective Service: A service output that does not meet the standard of performance associated with this contract.

1.1.1.4.Functional Commander (FC): Unit Commander.

1.1.1.5.Functional Director (FD): 20 AF/DOH.

1.1.1.6.Lot: The total number of service outputs in a surveillance period.

1.1.1.7.Organizational Representative (OR): An individual who obtains forms and publications from the local Publications Distribution Office (PDO) and is responsible for all aspects of maintaining a publication account and library.

1.1.1.8.Overtime: Overtime is defined as work in excess of 40 hours per workweek. A workweek for the purpose of this contract is Monday through Sunday. Certain states, namely California, may have stricter requirements on the calculation of overtime. (Ref: California Industrial Welfare Commission Order no. 4-89, "Wages, Hours, and Working Conditions In Professional, Technical, Clerical, Mechanical, And Similar Occupations".) Contractor is responsible for complying with all state and local laws in the performance of this contract. (See also Section H, Para. 15, " Compliance with Applicable State and Federal Requirements".)

1.1.1.9.Quality Assurance: Those actions taken by the government to assure services meet the requirements of the contract.

1.1.1.10. Quality Assurance Evaluator (QAE): A government person or persons responsible for surveillance of contractor performance.

1.1.1.11. Quality Assurance Surveillance Plan (QASP): An organized written document used for quality assurance surveillance. The document contains specific methods to perform surveillance of the contractor. The QASP is a government use only document.

1.1.1.12. Quality Control: Those actions taken by a contractor to control the performance of service so that they meet the requirements of the SOW.

1.1.1.13. Random Sampling: A sampling method in which each service output in a lot has an equal chance of being selected.

1.1.1.14. Sample: A sample consists of one or more service outputs drawn from a lot. The number of outputs in the sample is the sample size.

1.1.1.15. Sampling Guide: The part of the surveillance plan that contains all the information needed to perform surveillance of the service output(s) by the random sampling method of surveillance.

**1.2. TECHNICAL DEFINITIONS APPLICABLE TO THIS SOW.**

1.2.1. Applicable Technical Data: Those Air Force technical orders, regulations, manuals, instructions, and TCTOs, which direct or prescribe required maintenance/inspection procedures.

1.2.2. Contractor Building/Facility Manager: A contractor employee designated, in writing, by the contractor (subject to approval by the Unit Commander) as his representative on all matters dealing with real property maintenance and repair, fire protection and provided services, security, conditions of occupancy, and use of government furnished facilities.

1.2.3. Deferred Discrepancy: A minor malfunction or deficiency of aircraft or equipment that shall not affect the operation or safety and that cannot be corrected within three duty days after discovery due to non-availability of parts, manpower, facilities, or equipment.

1.2.4. Deployment: A movement of aircraft requiring maintenance support at a location other than host base.

1.2.5. Depot Maintenance: The level of maintenance consisting of those on-equipment and off-equipment tasks performed using the highly specialized skills, sophisticated shop equipment, or special facilities of a supporting command at a logistics center, centralized repair facility, or in some cases, at an operating location.

1.2.6. Element of Expense Investment Code (EEIC): A code assigned to an item that shows type of cost or resource being used.

1.2.7. FK Support: Air Force stock record account number prefix for munitions

1.2.8. Lost Tool/Object: Any tool or object, whether as part of a CTK, special tool kit or PME that is missing from the container inventory or from any other source is considered a lost tool/object.

1.2.9. Off-Equipment Maintenance: Maintenance tasks that are not or cannot be effectively accomplished on the aircraft, engine, or support equipment, but require the removal of the component to a repair shop and the use of repair shop resources

1.2.10. On-Equipment Maintenance: Maintenance tasks that are or can be effectively accomplished on the aircraft, engine, or support equipment

1.2.11. One-Time Inspection: Local or higher headquarters directed inspection accomplished to determine equipment condition or status.

1.2.12. Operating Instructions (OI): Operating instructions that pertain solely to the maintenance complex published by the Unit Commander.

1.2.13. Operational Contract Start Date: The date the contractor assumes all responsibility for aircraft, maintenance and reports in accordance with this SOW.

1.2.14. Overhaul: The disassembly, cleaning, inspection, repair, or replacement of parts or components, reassembly, and test of any item or accessory IAW applicable TOs, directives, or authorized manufacturers publications to provide an operationally safe, serviceable, and reliable item.

1.2.15. Possessed Aircraft Hours: The number of clock hours (Daily, Weekly, Monthly, or Annually) the aircraft is possessed IAW AFI 21-103.

1.2.16. Repair: The restoration or replacement of parts or components of material as necessitated by wear and tear, damage, failure of parts or the like in order to maintain the specific item of material in proper operating condition.

1.2.17. Scheduled Maintenance: Periodic prescribed inspections and/or servicing of equipment accomplished on a calendar or hourly basis.

1.2.18. Serviceable: Capable of meeting the requirement and performance of the function for which designed or modified, and meeting all test requirements established by the prescribed specification.

1.2.19. Standard: Acknowledged measure of comparison.

1.2.20. Time Compliance Technical Order (TCTO): The media authorized by AFPD 21-3 to provide instructions to Air Force activities for accomplishing or making a record of "one time" changes to standard systems, equipment, materials, munitions and computer programs or for imparting precautionary inspections relating to safety, limitations, or inspections of system/equipment or munitions. Compliance is required within specified time limits. All retrofit changes, modifications, and updating changes (DODI 5000.2/AFSUP 1), must be identified and accomplished by means of TCTO.

1.2.21. Tool Kit: Any collection of tools (hand or special) kept in a container for storage or use

1.2.22. Transient Aircraft: Any aircraft not assigned to host unit, which lands at host base.

1.2.23. Turn Around Transaction (TRN): A supply transaction code that updates the demand level for repair cycle assets repaired without placing demand on supply.

1.2.24. Unscheduled Maintenance: Those unpredictable maintenance requirements that had not been previously planned or programmed, but requires prompt attention and must be added to, integrated with, or substituted for previously scheduled workloads.

**1.3. ABBREVIATIONS:**

1.3.1. The following list of abbreviations may be used in this SOW.

| **Abbreviation** | **Definition** |
|---|---|
| A/C or ACFT | Aircraft |
| ADP | Automatic Data Processing |
| ADPE | Automatic Data Processing Equipment |
| AF | Air Force |
| AFI | Air Force Instruction |
| AFM | Air Force Manual |
| AFMC | Air Force Material Command |
| AFOSH | Air Force Occupational Safety & Health |

| Abbreviation | Definition |
|---|---|
| AFP | Air Force Pamphlet |
| AFR | Air Force Regulation |
| AFSPC | Air Force Space Command |
| AFTO | Air Force Technical Order |
| AGE | Aerospace Ground Equipment |
| AIMS | Aircraft Impedance Matching System |
| ALC | Air Logistics Center |
| ARC | Automated Record Check |
| AS | Airlift Squadron |
| ASD | Average Sortie Duration |
| ATE | Automatic Test Equipment |
| ATOMS | Automated Technical Order Management System |
| AW | Air Wing |
| AWBS | Automated Weight and Balance System |
| AWM | Awaiting Maintenance |
| AWP | Awaiting Parts |
| BAI | Backup Assigned Inventory |
| BCE | Base Civil Engineering |
| BITS | Base Information Transfer System |
| BLIS | Base Level Inquiry System |
| BPO | Basic Post-Flight Inspection |
| BQ | UJC Represents Mission Impaired Part Backordered |
| CA/CRL | Custody Authorization / Custodian Receipt Listing |
| CAMS | Core Automated Maintenance System |
| CDR | Contract Discrepancy Report |
| CEMS | Comprehensive Engine Management System |
| CFE | Contractor Furnished Equipment |
| CFR | Code of Federal Regulations |
| CLS | Contractor Logistic Support |
| CO | Contracting Officer |
| COMSEC | Communication Security |
| COR | Contracting Officers Representative |
| CQAE | Chief Quality Assurance Evaluator |
| CSM | Contract Site Manager |
| CTK | Consolidated Tool Kit |
| DIFM | Due In From Maintenance |
| DIS | Defense Investigative Service |
| DISCO | Defense Investigative Service Clearance Office |
| DOC | Design Operational Capability |
| DOD | Department of Defense |
| DODD | Department of Defense Directive |
| DODI | Department of Defense Instruction |
| DOPP | Dropped Object Prevention Program |
| EAID | Equipment Authorized In-Use Details |
| ECAMP | Environmental Compliance Assessment and Management |

| Abbreviation | Definition |
|---|---|
| | Plan |
| EEIC | Element of Expense Investment Code |
| EM | Engine Maintenance |
| EPA | Environmental Protection Agency |
| ERRC | Expandability, Recoverability, Reparability Category |
| EWO | Emergency War Order |
| FC | Functional Commander |
| FD | Functional Director |
| FAD | Force Activity Designator |
| FCF | Functional Check Flight |
| FEDLOG | Federal Logistics Data System |
| FLIR | Forward Looking Infrared |
| FMC | Fully Mission Capable |
| FOD | Foreign Object Damage |
| GFE | Government Furnished Equipment |
| GFP | Government Furnished Property |
| GOV | Government Owned Vehicle |
| GPS | Global Positioning System |
| GSA | General Services Administration |
| HAZMAT | Hazardous Materials |
| HF | Helicopter Flight |
| HPO | Hourly Postflight Inspection |
| HQ | Headquarters |
| HYD | Hydraulic |
| IAW | In Accordance With |
| ID | Identification |
| IMC | Interim Message Change |
| IPI | In Process Inspection |
| ISM | Industrial Security Manual |
| ISSL | Initial Spares Support Listing |
| JCN | Job Control Number |
| JOAP | Joint Oil Analysis Program |
| LG | Logistics Group |
| MAST | Military Assistance to Safety and Traffic |
| MC | Mission Capable |
| MICAP | Mission Capable |
| MIS | Management Information System |
| MOCC | Maintenance Operations Coordination Center |
| MRA | Minimum Reserve Authorization |
| MSL | Maintenance Supply Liaison |
| NAC | National Agency Check |
| NBC | Nuclear, Chemical and Biological |
| NDI | Non-Destructive Inspection |
| NMCB | Non Mission Capable Both (Supply and Maintenance) |
| NMCM | Non Mission Capable Maintenance |

| Abbreviation | Definition |
|---|---|
| NMCS | Non Mission Capable Supply |
| NRTS | Not Repairable This Station |
| NSN | National Stock Number |
| NVG | Night Vision Goggles |
| OCM | On Condition Maintenance |
| OCR | Office of Collateral Responsibility |
| ODO | Operations Duty Officer |
| OG | Operations Group |
| OI | Operating Instructions |
| OJT | On the Job Training |
| OPLAN | Operational Plan - AF, MAJCOM or Wing/Base |
| OPS | Operations |
| OPSEC | Operations Security Program |
| OR | Organizational Representative |
| OSHA | Occupational Safety and Health Act |
| OTI | One Time Inspection |
| PAA | Permanently Assigned Aircraft |
| PACAF | Pacific Air Forces |
| PCS | Permanent Change of Station |
| PDM | Programmed Depot Maintenance |
| PDO | Publications Distribution Office |
| PMC | Partial Mission Capable |
| PMCB | Partial Mission Capable Both (Supply and Maintenance) |
| PMCM | Partial Mission Capable Maintenance |
| PMCS | Partial Mission Capable Supply |
| PME | Precision Measurement Equipment |
| PMEL | Precision Measurement Equipment Laboratory |
| PMRP | Precious Metals Recovery Program |
| POL | Petroleum, Oil, Lubricant |
| PS&D | Plans, Scheduling and Documentation |
| QA | Quality Assurance |
| QAE | Quality Assurance Evaluator |
| QASP | Quality Assurance Surveillance Plan |
| QC | Quality Control |
| QEC | Quick Engine Change |
| RCS | Reports Control System |
| REG | Regulation- AF, MAJCOM or Wing/Base |
| SAR | Search and Rescue |
| SATE | Security Awareness Training & Education |
| SBSS | Standard Base Supply System |
| SCC | Specialized Common Carrier |
| SCR | Special Certification Roster |
| SE | Support Equipment |
| SOF | Supervisor of Flying |
| SORTS | Status of Resources and Training System |

| Abbreviation | Definition |
|---|---|
| SOW | Statement of Work |
| SPP | Standard Practice Procedure |
| SPRAM | Special Purpose Recoverable Authorized Maintenance |
| SRAN | Stock Record Account Number |
| SPS | Security Police Squadron |
| SRD | Special Reporting Designator |
| STE | Security Test and Evaluations |
| SW | Space Wing |
| TCI | Time Change Items |
| TCTO | Time Compliance Technical Order |
| TDY | Temporary Duty |
| TMDE | Test, Measurement and Diagnostic Equipment |
| TNB | Tail Number Bin |
| TO | Technical Order |
| TRN | Turn Around Transaction |
| UJC | Urgency Justification Code |
| UMMIPS | Uniform Material Movement Issue Priority System |
| UND | Urgency of Need Designator |
| USFJ | United States Forces Japan |
| UTE | Utilization |
| VCO | Vehicle Control Officer |
| WRM | War Readiness Material |

## PART V

## APPENDIX 2

### 2. CONTRACTOR PROVIDED PROPERTY AND SERVICES.

Except for those items or services specifically stated to be government furnished in Part III, the contractor shall furnish everything required to perform this SOW.

### 2.1. CUSTODIAL SERVICES.

2.1.1. The contractor shall maintain the government furnished facility in a neat, clean, and orderly manner, free from fire and safety hazards. This may include, but not limited to: sweeping, mopping, waxing and buffing tile floors; vacuuming and shampooing carpets; cleaning, disinfecting and re-supplying restrooms; dusting, cleaning windows and emptying trash. For common use areas in jointly occupied facilities, the government and contractor will share the responsibility for custodial services. See Part III, Chapter 2.

### 2.2. POSTAGE.

2.2.1. Contractor shall provide postage for unofficial non-government business off-base mail.

### 2.3. TELEPHONE SERVICE.

2.3.1. Contractor shall provide for commercial off-base telephone line(s) for contractor use.

### 2.4. CONTRACTOR CLOTHING.

2.4.1. The contractor shall provide distinctive clothing for all employees. This distinctive clothing shall be worn at all times in the performance of duties. All clothing provided by the contractor shall display the company's name as well as the employee's name. Except for items noted in Part III, Chapter 1, para 1.2.1, the contractor shall provide all seasonal clothing, personal safety equipment to conform to OSHA and AFOSH Standards. This will include, but is not limited to, the following items: hearing protection, safety shoes/boots, leather work gloves, nomex flight suits, nomex flight jackets, and nomex flight gloves. The Mil Spec for Nomex is MIL-C-83141A and DLA100-85-C-0817. Note: Flight clothing is not required for all personnel, but only in sufficient quantities to ensure it is available for maintenance personnel during flight.

### 2.5. GROUND MAINTENANCE.

2.5.1. The contractor shall be responsible for snow removal, grass cutting, and policing/cleaning outside work areas. Snow shall be removed from the hangar doors and sidewalks. The contractor's area of responsibility is shown in Part III, Chapter 2. The contractor shall be responsible for keeping these areas neat and clean at all times.

### 2.6. FACILITIES MAINTENANCE.

2.6.1. The contractor shall appoint a primary and alternate Facility Manager for government furnished facilities (Part III, Chapter 2) provided at the 40th HF. These individuals will be responsible for building physical security, initiating maintenance actions required to repair building deficiencies, and all other duties required of host base facilities managers (Reference AFI 32-1001). Overtime is not authorized for security incidents that arise due to contractor negligence.

## PART V

## APPENDIX 3

### 3. ASSIGNED AIRCRAFT AND FLYING HOUR ALLOCATION

### 3.1. 37 HF, 90 SW, F. E. WARREN AFB, WY

| ACFT | QTY | STATUS | YEARLY FLYING HOURS |
|---|---|---|---|
| UH-1N | 7 | 5 PAA / 2 BAI** | 2880* |

Minimal daily MC aircraft requirement is as follows: SB = Standby

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|---|---|---|---|---|---|---|
| 3 SB | 3+SB | 3+SB | 3+SB | 3+SB | 3+SB | 3 SB |

NOTE:

1. Three aircraft will be required to be preflighted and mission ready 7 days a week, 24 hours a day. These aircraft can be scheduled flyers and standby aircraft.

2. An aircraft in FCF status will not be used to meet daily aircraft requirements until FCF is successfully accomplished and aircraft is returned to MC status. The average daily flying is 5 launches and corresponding recoveries. Additional launches and recoveries, during normal duty hours, may be required at the flight commander's discretion.

***These are estimated hours for planning purposes only**

**3.2. 40 HF, 341 SW, MALMSTROM AFB, MT**

| ACFT | QTY | STATUS | YEARLY FLYING HOURS |
|---|---|---|---|
| UH-1N | 7 | 5 PAA / 2 BAI** | 2880* |

Minimal daily MC aircraft requirement is as follows: SB = Standby

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|---|---|---|---|---|---|---|
| 3 SB | 3+SB | 3+SB | 3+SB | 3+SB | 3+SB | 3 SB |

NOTE:

1. Three aircraft will be required to be preflighted and mission ready 7 days a week, 24 hours a day. These aircraft can be scheduled flyers and standby aircraft.

2. An aircraft in FCF status will not be used to meet daily aircraft requirements until FCF is successfully accomplished and aircraft is returned to MC status. The average daily flying is 5 launches and corresponding recoveries. Additional launches and recoveries, during normal duty hours, may be required at the flight commander's discretion.

***These are estimated hours for planning purposes only**

**3.3. 54 HF, 91 SW, MINOT AFB, ND**

| ACFT | QTY | STATUS | YEARLY FLYING HOURS |
|---|---|---|---|
| UH-1N | 6 | 5 PAA / 1 BAI** | 2880* |

Minimal daily MC aircraft requirement is as follows: SB = Standby

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|---|---|---|---|---|---|---|
| 3 SB | 3+SB | 3+SB | 3+SB | 3+SB | 3+SB | 3 SB |

NOTE:

1. Three aircraft will be required to be preflighted and mission ready 7 days a week, 24 hours a day. These aircraft can be scheduled flyers and standby aircraft.

2. An aircraft in FCF status will not be used to meet daily aircraft requirements until FCF is successfully accomplished and aircraft is returned to MC status. The average daily flying is 5 launches and corresponding recoveries. Additional launches and recoveries, during normal duty hours, may be required at the flight commander's discretion.

***These are estimated hours for planning purposes only**

### 3.4. 76 HF, 30 SW, VANDENBERG AFB, CA

| ACFT | QTY | STATUS | YEARLY FLYING HOURS |
|---|---|---|---|
| UH-1N | 5 | 3 PAA / 2 BAI | 1436 * |

Minimum daily MC aircraft requirement is as follows: SB = Standby

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|---|---|---|---|---|---|---|
| 2 SB | 2+SB | 2+SB | 2+SB | 2+SB | 2+SB | 2 SB |

NOTE: An aircraft in FCF status will not be used to meet daily aircraft requirements until FCF is successfully accomplished and aircraft is returned to MC status. The average daily flying is 2 launches and corresponding recoveries. Additional launches and recoveries, during normal duty hours, may be required at the flight commander's discretion.

*** These are estimated hours for planning purposes only**

**3.5. 459 AS, 374 AW, YOKOTA AB, JA**

| ACFT | QTY | STATUS | YEARLY FLYING HOURS |
|---|---|---|---|
| UH-1N | 4 | 3 PAA / 1 BAI | 1200 * |

Minimum daily MC aircraft requirement is as follows: SB = Standby

| SUN | MON | TUE | WED | THUR | FRI | SAT |
|---|---|---|---|---|---|---|
| SB | 2 | 2 | 2 | 2 | 2 | SB |

NOTE: An aircraft in FCF status will not be used to meet daily aircraft requirements until FCF is successfully accomplished and aircraft is returned to MC status. The average daily flying is 3 launches and corresponding recoveries. Additional launches and recoveries, during normal duty hours, may be required at the unit commander's discretion.

*** These are estimated hours for planning purposes only**

## PART V

## APPENDIX 4

### 4. IN-PROCESS INSPECTIONS (IPIs)

| WUC | NOMENCLATURE | TASK | REFERENCES |
|---|---|---|---|
| 11000 | Airframe Access Panels | Prior to installation check for foreign objects and cleanliness. | |
| 11FAV | Air Particle Separator Valve Actuator | For proper installation prior to installing cover. | PG 5-79 PAR 5-164 Step 3 |
| 11DAH | Upper and Lower Lift Link Bolts | Inspect for proper bonding of washer and sleeve. | PG 7-18A PAR 7-29 Caution, prior to Step 6 & 7 |
| 11GOO | Tail Boom Installation | Insure concave washer is properly installed on mount bolts | PG 3-95 PAR 3-214 Step 2 |
| 1411A | Pilot & Co-Pilot Collective Sticks | Ensure no binding in gear sector and proper tooth alignment | PG 8-154 PAR 8-11 Steps 9 & 10A |
| l411P<br>1421R | Collective and Cyclic Universals | Ensure cotter keys installed prior to installing boot. | PG 8-158 PAR 8-125 Step 2 & Pg 8-174 Par 8-150 Step 1 |
| 1411L<br>1421Q | Hydraulic Servo Cylinder Installation | Ensure no preload exists | PG 8-175 PAR 8-150 Step (1) & F & Pg 8-158 Par 8-125 Step 5F |
| 1442G | Tail Rotor Crosshead Bearing | Ensure special washer installed inboard of bearing. | PG 8-202 PAR 8-177 step 7 |
| 151BA | Main Rotor Hub Grip | Ensure index key is inserted into keyway nearest to strap pin hole (40 degrees from center line hole). | PG 8-66 PAR 8-59 Step 4 (Warning & Note) |

| WUC | NOMENCLATURE | TASK | REFERENCES |
|---|---|---|---|
| 151BO | Main Rotor Hub Assy | Ensure proper installation of bearing race, spacer retaining pin, correct O-ring, safety on yoke nut lock plate prior to installing grip. | PG 8-73,74 PAR 8-61,62 |
| 152BO | Tail Rotor Crosshead | Inspect crosshead for installation of cotter key. | PG 8-202 PAR 8-177 |
| 151DO | Scissors/Sleeve | Ensure V mark on outer races are aligned and pointing inboard. Ensure installation of cotter pin in scissors pivot bolt nut prior to installation of cover plate. | PG 8-130 PAR 8-102 Step 3 PG 8-132 PAR 8-102 Step 6 |
| 151GO | Main Rotor Mast | Perform Dimensional check prior to installation of mast into transmission. | PG 7-35 PAR 7-73 (Caution) Steps 1 & 2 |
| 22AAO<br>22AOO | CGB and Engine Installation | Ensure proper o-ring installation prior to mating. | PG 5-118 PAR 5-209 Step C |
| 22AGF | CGB/Engine External Oil Filter | Inspect filter housing for proper installation of o-ring snap ring prior to assy. | PG 5-4 PAR 5-17 Steps 1 thru 3 |
| 22AGU | Oil Cooler Blower | Prior to mating on CGB, check seal carrier snap ring, & O-Ring. | PG 5-91 PAR 5-183 Step 1a & Pg 5-14 Par 5-31 Step 8 |
| 22AHB | Automatic Fuel Control | Inspect shaft coupling and o-ring prior to installation. | PG 5-17 PAR 5-40 Step 2 |
| 22AHC | Manual Fuel Control | Inspect for installation of “O” rings. | PG 5-20 PAR 5-43 Step 4 |
| 22AHE | Engine Fuel Filter | Inspect Housing for proper “O” rings installed. | PG 5-15 Par 5-37 Steps 1 thru 3 |
| 22AKD | Engine Compressor Bleed Air Valve | Inspect for packing prior to installation. | PG 5-26 PAR 5-65 Steps 1 & 2 |

| WUC | NOMENCLATURE | TASK | REFERENCES |
|---|---|---|---|
| 2611A | Transmission Input Quill | Check for proper "O" ring installation, work aid removal & F.O. | PG 7-39 PAR 7-81 Steps 2, 5, 6, & 7 |
| 2611B | Tail Rotor Drive Quill | Inspect for proper lubrication & retaining ring on coupling.<br>Inspect for packing on quill.<br>Inspect cap retaining lock spring.<br>Inspect for F.O. prior to installation. | Pg 7-45 Para 7-97 Steps 4 & 5<br>Pg 7-46 Para 7-98 Note |
| 2611C | No. 1 Hydraulic Pump Quill | Inspect for "O" ring prior to installation.<br>Inspect for F.O. prior to installation. | Pg 7-43 Para 7-90 Steps 1 & 2 |
| 2611E | Rotor Brake Quill | Inspect for "O" ring prior to installation.<br>Inspect for F.O. prior to installation. | Pg 7-41 Para 7-86 Steps 1 & 2 |
| 2611J | No. 2 Hydraulic Pump Quill | Inspect for "O" ring prior to installation.<br>Inspect for F.O. prior to installation. | Pg 7-45 Para 7-94 Steps 1 & 2 |
| 2612B | Transmission Internal Oil Filter | Ensure proper wafer stack up, nut, safety, & proper o-ring on gasket installation. | PG 7-28 Par 7-45 Step 2 & PG 7-46 steps 1 & 2 |
| 2612F | Transmission External Oil Filter | Ensure proper installation of o-ring. | PG 7-30 PAR 7-53 Step 2 & 3 |

| WUC | NOMENCLATURE | TASK | REFERENCES |
|---|---|---|---|
| 2614C | Installation Transmission Pylon Mounts | Ensure proper length bolts are installed on transmission mounts. | PG 7-17 PAR 7-27 CAUTION |
| 2621C | Main Drive Shaft Adapter (CGB) | Ensure that tang washer is engaged on nut prior to installation of main drive shaft. | PG 7-12A PAR 7-2 Steps 7 Research Needed |
| 2631A<br>2641B | 42 Deg Input/Output Quill | Ensure proper lubrication in both flex coupling. Ensure lockspring is properly engaged. | PG 7-45 PAR 7-97 Steps 4 & 5 |
| 2641A | 90 Deg Input Quill | Ensure proper lubrication in both flex coupling. Ensure lockspring is properly engaged. | PG 7-45 PAR 7-97 Steps 4, 5 & 6 |
| 2661O | Hangar Assy | Inspect for nut cotter key, proper lubrication in flex coupling, spring is properly engaged, & cap retaining spring is installed. | PG 7-53 PAR 7-110 Steps 4, 5 & 6 |
| 4211K | Starter Generator | Verify new “O” ring is installed on spline shaft. | Pg 5-99 PAR 5-198 Step 1 Note |
| 4512A | Hydraulic Pumps | Assure outer shaft retainer clip is installed. | Pg 4-16 PAR 4-20 Step 2 |
| 4512H<br>4512J | Hydraulic Filters | Inspect filter housing for proper installation of “O” ring & filter retainer prior to assy. | PG 4-17 PAR 4-26 Step 4 & 5 |

| WUC | NOMENCLATURE | TASK | REFERENCES |
|---|---|---|---|
| 4611A | Fuel Cells | Ensure all lines and electrical connections are secure. Ensure all FOD is removed prior to installing sumps, pumps, or access panels. | |
| 4612H | Acft Fuel Filters | Ensure proper installation of “O” rings. | PG 6-10 PAR 6-19 Step 3a, c, & d |
| 4613A | Center Tank Fuel Probe | Inspect for probe positioning & cover packing. | PG 6-17 PAR 6-34 |

## PART V

## APPENDIX 5

### 5. QUALITY CONTROL (QC) SCORING CRITERIA

### 5.1. CAT I

5.1.1. Detected discrepancies discovered during the follow-up of an inspection or maintenance action. A required inspection/TO procedural item missed or improperly completed on the last inspection or maintenance action. This category is a specific work card item or TO step, notes, caution or warning for a specific condition or action. Use sub-category of major or minor to indicate relative severity of the discrepancy.

### 5.2. CAT II

5.2.1. Readily detectable discrepancies discovered during the follow-up of an inspection or maintenance action: An obvious defect, which could have been readily detected by a technician or supervisor, but is not a specific work card item or TO step, notes, caution or warning for that specific evaluated task. Use sub-category of major or minor to indicate relative severity of the discrepancy.

### 5.3. GENERAL OBSERVATION (GO).

5.3.1. A GO report is used to identify both positive and negative conditions. A positive report identifies something that is being done correctly, or exceptionally well, but was not a planned inspection or evaluation. A negative condition is also one that is an unplanned observation, but one that is outside of acceptable standards. Negative examples would be tools left unattended or hardware not bagged. Positive examples would be a clearly exceptional task performance or outstanding equipment forms binder.

### 5.4. NON-CHARGEABLE (NC).

5.4.1. Readily detectable items.

### 5.5. DEFINITIONS OF MAJOR AND MINOR.

5.5.1. A major finding is defined as a condition that would endanger personnel, jeopardize equipment or system reliability, affect safety of flight, or warrant discontinuing the process or equipment operation.

5.5.2. A minor finding is defined as an unsatisfactory condition that requires repair or correction, but does not endanger personnel, affect safety of flight, jeopardize equipment reliability, or warrant discontinuing a process or equipment operation.

### 5.6. OBJECTIVE RATING SYSTEM.

5.6.1. Rating system is as follows:

5.6.1.1.Pass – 76.00 to 100%

5.6.1.2.Fail – Zero to 75.99%

5.6.1.3.One hundred points are available for each inspection.

5.6.1.4.Deduct 25 points for each Cat I or II major discrepancy.

5.6.2. A Red X discrepancy always results in a failed rating.

5.6.3. Point deductions for minor discrepancies are as follows:

5.6.3.1.Each discrepancy on engines, tools, PMEL, AGE and shop/test equipment – Four points.

5.6.3.2.All aircraft inspections (excluding phase inspections)

5.6.3.3.Each CAT I minor – Four points.

5.6.3.4.Each CAT II minor – One point.

5.6.4. Phase Inspection.

5.6.4.1.Each CAT I minor discrepancy – 1.5 points.

5.6.4.2.Each CAT II minor discrepancy – 0.5 points.

5.6.4.3.Point deductions for forms errors

5.6.4.3.1. Each major form error – Five points

5.6.4.3.2. Documentation errors that could result in equipment malfunction, significant historical records errors or contribute to incomplete maintenance actions are charged as major/minor discrepancies, as appropriate.

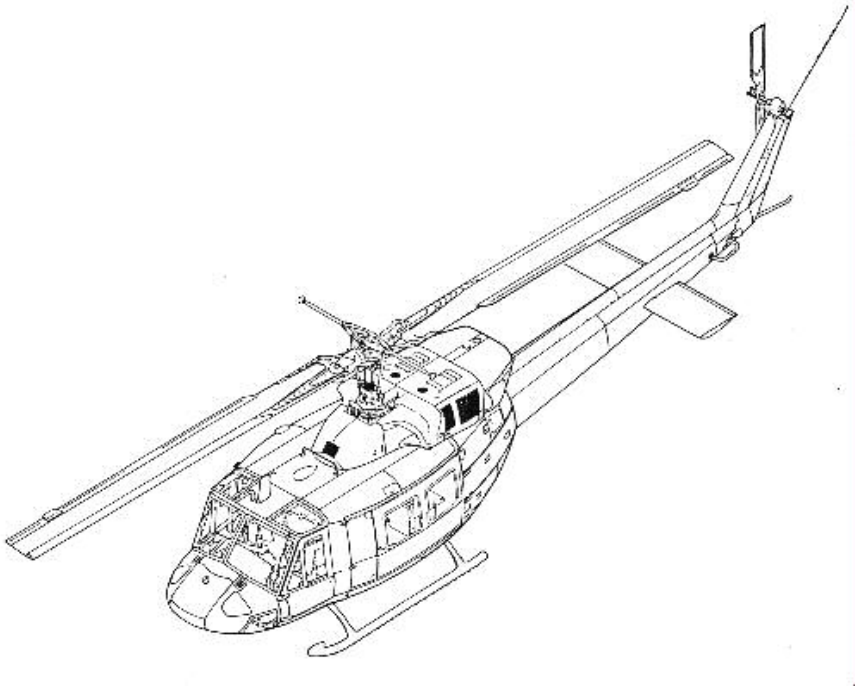
5.6.4.3.3. Each minor form error – 0.5 points

5.6.5. Do not deduct points for fuel, oil, or hydraulic leaks discovered during an inspection if it is reasonable to suspect that the leak(s) most probably occurred after the most recent inspection.

**APPENDIX 6**

**UH-1N**

**DEBRIEFING CHECKLIST**



## DEBRIEF INTRODUCTION

This debriefing checklist is used as a guide to assist the maintenance debriefer in ensuring all pertinent information on a system malfunction is included on the AFTO Form 781A. This checklist is considered minimal and is not intended to replace system knowledge or common sense. The debriefer is charged with the responsibility of questioning the aircrew to ensure that all symptoms of a malfunction that could lead to the proper diagnosis of the fault are identified and recorded on the AFTO Form 781A.

Recommended changes to this form will be forwarded through channels to 20 AF/DOHM FE Warren AFB WY, DSN 481-2909.

## INSTRUCTIONS

I Prior to debriefing: The debriefing team members will review past debriefing forms, logs, or files to acquaint themselves with any previous repeat/recurring discrepancies.

II Debriefing Procedures.

- A Using this checklist as a guide, the debriefing team leader will take charge of the debriefing and debrief the flight crew.
- B Review entire AFTO Forms 781A for the mission.
- C Cross check previous repeat/recurring discrepancies against mission AFTO Forms 781A to see if they have recurred. Reference: Contract SOW and T.O. 00-20-1.
- D Repeat discrepancies will be identified by entering in red "repeat" in the discrepancy block of the 781A.
  - 1 A repeat discrepancy is one, which occurs on successive sorties. To be identified as a repeat discrepancy, the first discrepancy must have had a completed maintenance action and all required operational checks completed.
  - 2 A recurring discrepancy is one, which occurs twice during four successive sorties. To be identified as a recurring discrepancy, the first discrepancy must have had a completed maintenance action and all required operational checks completed.

III Using the questions in the checklist ensures all uncleared discrepancies are explained as completely as possible.

## SECTION I – AIRCRAFT GENERAL DEBRIEFING CHECKLIST

Airframe Group (System11)
Was any turbulence or rough weather encountered?

Was any structural damage to skin or airframe noted?

Do all windows, doors, and cowling open and close?

Were there any unusual Vibrations felt through the airframe?

Landing Gear (System 13)
Did the aircraft have any hard landings?

Was there any noticeable cross tube deflection?

Were there any slide landings on this flight? If so, how many?

Flight Controls (System 14)
Were all flight control responses normal? If not:

Were any controls sloppy or feedback felt?

What quadrant did feedback occur in?

Did cyclic trim system work properly?

Rotor Control (System 15)

Were any main or tail rotor blades damaged?

Was autorotation within limits?

Were any 1 to 1 vibrations noted?

Engines (System 22)
Was engine performance up to standard? If not:

Was torque indication low or was there an NG or T-5 fluctuation?

Was there any fluctuation on any engine instruments?

Were any unusual noises heard or vibrations felt?

What in-flight troubleshooting procedures were used?

Transmission and Drive (System 26)

Were transmission and gearbox pressure noted?

Were any unusual noises or fluctuations noted?

Were any defects noted on power train anywhere?

Heating and Air Conditioning Pressurization (System 41)

Did all the fresh air and heat outlets work properly?

Was any smoke or unusual odor noted during heater operation?

Did hot air mixing valves work properly?

Hydraulic (System 45)
Was there any noticeable cyclic stick drive during boost off operation?

Did boost off (irreversible check) work properly prior to reaching takeoff RPM?

Was there any noticeable collective creep during flight?

Did rotor brake system work properly?

Fuel (System 46)
Was fuel flow erratic?

Did instruments go off scale, high or low?

Did fuel cross feed work properly?

Did BIT check pass?

Miscellaneous
Was aircraft flown through rain, sleet or hail?

Was the aircraft flown over salt water?

Were any oil analysis samples (JOAP) submitted at other stations for engines and/or gearbox?

## SECTION II – AVIONICS DEBRIEFING CHECKLIST

Electrical Power Supply (System 42)
Were AC and DC power supply normal?

Was indication on caution panel normal?

Did fire detection system work properly?

Were any unusual load/ammeter fluctuations observed?

Lighting, Interior and Exterior (System 44)

Instruments (System51)
Did pitot system indicators operate normally?

Airspeed malfunction.

How did the defective airspeed compare with other airspeed?

What was the altitude at time of noted malfunction?

Did the altimeter or vertical velocity show any malfunction?

What were the outside weather conditions at time of malfunction?

Was pitot heat operative and used?

Altimeter malfunction.

How did the defective altimeter compare with other aircraft altimeters, low or high?

Was altimeter setting correct?

Did vertical velocity or airspeed show any malfunction?

Was there any instrument precession or fluctuation?

Did any related system indicate problems?

Did the gyro magnetic compass work properly?

Was fuel quantity indication erratic?

VHF Communications System (FM) (System 62)
Did the system tune properly?

Was the receiver audio loud and clear?

Was there normal side tone?

What frequencies were bad?

Was there adequate squelch action?

Was the system checked with more than one station?

VHF Communications System (AM) (System 62)

Did the system tune properly?

Was the receiver audio loud and clear?

Was there normal side tone?

What frequencies were bad?

Was there adequate squelch action?

Was the system checked with more than one station?

Communication Security Set (System 62)
Did system malfunction on plain or secure voice?

What stations reported you inoperative?

Did you zero the equipment?

UHF Communications System (System 63)
Was transmitter on preset or manual operation?

Did the system recycle at all?

Was the transmitter weak or garbled?

Was the system checked with more than one station?

Was there normal side tone?

Interphone System (System 64)
What stations were effected?

Was there normal side tone?

Was the hot mike side tone loud and clear?

IFF (System 65)
Was system checked on more than one mode or code?

Was system reported weak or inop by more than one station?

Miscellaneous Communications (System 69)
Voice Amplifier System.

Was audio loud and clear?

What positions were the monitor switches in?

Loudspeaker System

What interphone position was the loudspeaker used?

Was the VU meter working?

UHF/DF (System 71)
Was the squelch disabled?

What was the error if any?

Was the error the same on other frequencies?

TACAN (System 71)
Was the DME or AZ inoperative?

Was the malfunction on all channels (pilot and copilot)?

Did the system operate better as the station got closer?

Did the CDI agree with the selected course?

Did the CDI indicate station passage?

Was the system checked with more than one station?

VOR (System 71)
Was the azimuth information correct?

Did the flag remain out of view on all stations?

Did the CDI indicate station passage?

Did the CDI agree with the course selected?

Did the localizer or TACAN have the same malfunction?

Was more than one ground station tried?

Did the ILS function on the specified frequencies?

Was the malfunction on both pilot and copilot side?

ADF (System 71)
Was the malfunction on all indicators?

Was the malfunction present on the entire flight?

How many stations were tried?

Marker Beacon (system 71)
Did the light and tone work on all three markers?

Did the system press to test properly?

Radar Altimeter (System 72)
Did press to test work properly?

Did the altitude bug and “LO” light work properly?

Did the RT fail light come on?

Were both digital and dial readings the same?

HF Radio (System 61)
Check antenna mounts for security.

Was transmitter on preset or manual?

Did system recycle?

What frequencies were bad?

Was receiver audio loud and clear?

Was transmitter weak or garbled?

Was the system checked with more than one station?

LORAN (System 71)
What were the error codes?

Did the cooling fan warning light come on?

Did the CDI indicator match the display read out?

Was the problem on both pilots and copilots?

## SECTION III – AIRCRAFT ARMAMENT SYSTEM DEBRIEFING CHECKLIST

Aircraft Armament System (System 75)
Did the aircraft gun(s) perform properly?

If gun jams were encountered:

How many rounds (approximate) were expended prior to jamming?

What corrective measures were taken to clear the weapon?

Were there any additional jams?

If installed, did the following armament systems perform properly?

LAU-68 Rocket PODS

MTU-51/52 Rocket Rails

Gun Sights

Weapon Release Electrical System

Gun Mounts